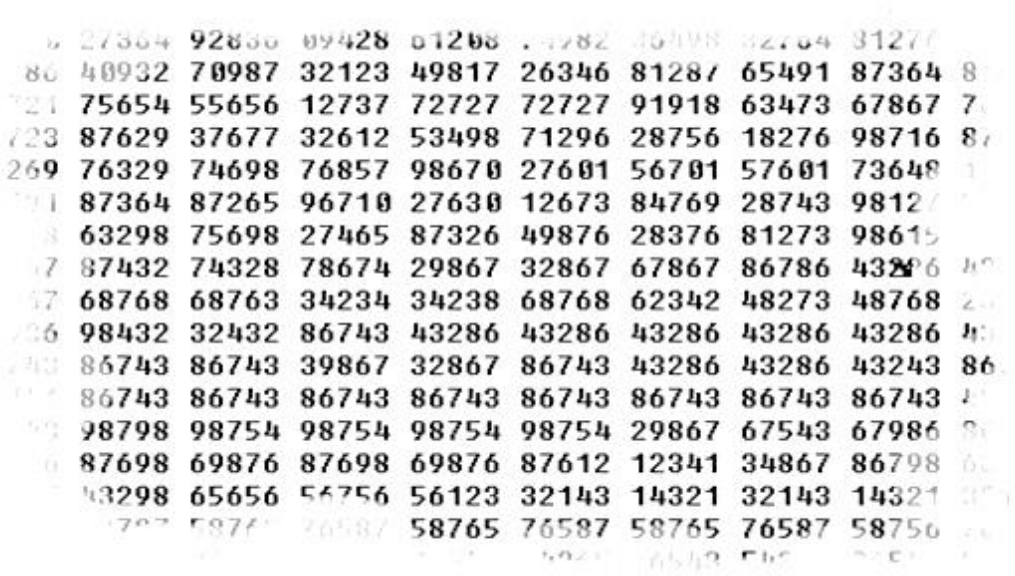
30 years Numbers & Oddities



Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #328, January 2025

Editor: Ary Boender email: udxf@udxf.nl
Numbers & Oddities http://www.numbersoddities.nl

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

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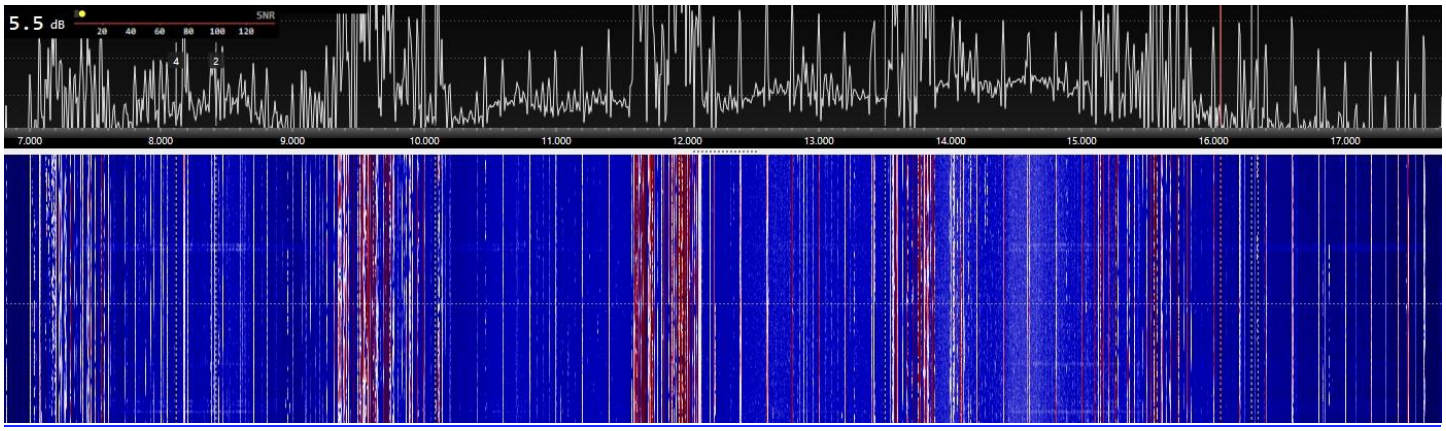
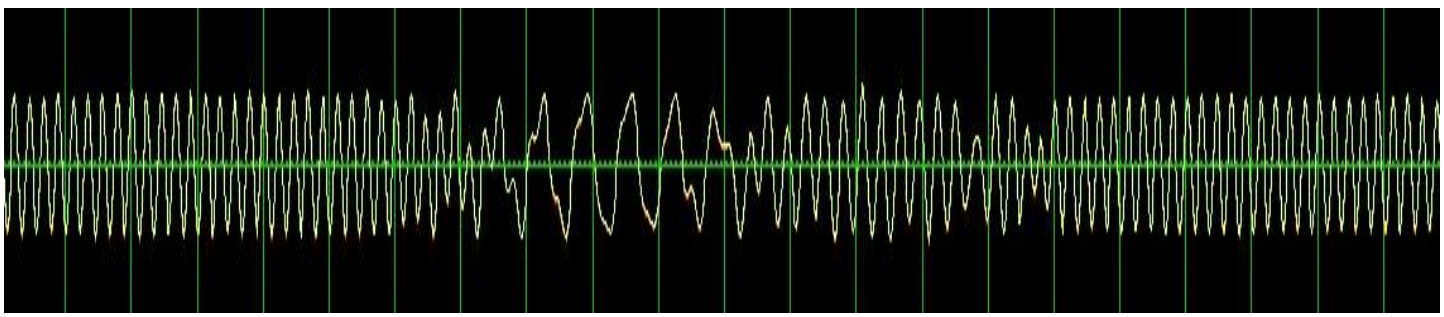
Numbers and Oddities

CONTENT



FRONT PAGE BY CARLOS LATUFF

CONTENT 3
FOREWORD 6
VOICE STATIONS 6
MORSE STATIONS 30
DIGITAL MODES 40
DIPLOMATIC STATIONS 107
CLANDESTINE / TARGETED RADIO & JAMMERS 111
UTILITY ROUND-UP 112
RUSSIAN MILITARY TRANSCRIPTS 112
LOGS SECTION 113
CONTRIBUTORS 178
APPENDIX 179
COLOPHON 182



30 years Numbers & Oddities

This is the very first Numbers & Oddities column. Written in January 1995 and published in the first WUN newsletter in February 1995. A very short one. It was the first column I ever wrote and I was looking for the right format and I needed more info about these stations.

(=- NUMBERS & ODDITIES -=)
editor: Ary Boender

In this column I'd like to deal with the more obscure part of our hobby. Numbers stations, strange sounds, beeps, pips and items about intelligence organizations is what have in mind for the 'Numbers & Oddities' (N&O) column. It is both a difficult and a fascinating part of the hobby. There is little known of the stations I just mentioned and the main part of the information here comes from a bunch of dedicated N&O monitors. It is the result of many, many hours of listening, comparing and discussing the loggings with fellow dxers.

Useful information can be found in Popular Communications, Monitoring Times, the Enigma Newsletter and of course DX-Club bulletins. The following books are also highly recommended: Underground Frequency Guide (Don Schimmel), Secret Signals (Simon Mason), Uno, Dos, Cuatro (Havana Moon) and Intercepting Numbers Stations (Langley Pierce).

The most heard numbers stations are operated by the CIA, Mossad, KGB, MI6 and BND.

In many countries it is prohibited to listen to utility stations, particularly to government or military stations. Therefore I will omit the names of the people who send me their info, unless you want to be mentioned.

Lincolnshire Poacher

Believed to be operated by MI6 from sites including RAF Akrotiri in Cyprus and aimed towards the Near East. Transmissions are often heavily jammed.

Frequencies (kHz)

Primary	Secondary	Tertairy	
6959	8302	7887	2000UTC - 0000UTC
6959	8464	9251	2000UTC - 0000UTC
11545	12603	13375	1600UTC - 2000UTC
13375	11545	14487	1200UTC - 1400UTC
14487	15682	16084	1400UTC - 1600UTC

MOSSAD "Phonetic Alphabet" Stations

Transmissions are in AM but with best results obtained in USB.

Frequency (kHz)	Callsign
2270	JSR
2957	SYN
3150	PCD, ART
3270	KPA
3417	ART
3840	YHF
4270	PCD
4360	CIO
4463	FTJ
4560	YHF
4665	VLB
4780	KPA, ULX
4880	ULX
5091	JSR
5230	MIW, SYN, VLB, CIO

5339	OEM (occasional)
5437	ART
5531	BAY (occasional)
5629	SYN, CIO
5715	ZWL (occasional)
5820	YHF
5911	OEM (occasional)
6270	ULX
6500	PCD
6745	CIO, VLB
6840	JSR, EZI
6912	OEM (occasional)
7323	???
7446	KPA
7540	JSR
7605	VLB, SYN, CIO
7613	GPO (occasional)
7760	ULX
7918	YHF
8127	CIO, MIW
8465	SYN, CIO
8641	MIW
9130	EZI
9402	YHF
10125	CIO
10648	YHF
10820	VLB
11565	EZI
12747	SYN
12950	MIW
13533	EZI
13921	CIO
14750	CIO, MIW
17410	EZI
19715	EZI
20740	SYN

Oddities: lots of strange noises, pips and beeps can be heard throughout the shortwave spectrum. Many of them are simply hets, natural noises or originate from navigational systems like Omega, Loran and Decca. Other transmissions however, are more difficult to pin-point. Why would someone transmit the time in CW without any form of identification, or what about the stations who transmit the pips and beeps ?

On 4625 kHz a buzzer can be heard 24 hours a day. This one started in the early eighties as a 2-second pip and changed a couple of years ago into the buzzer. The station is located in Byelorussia according to a DF-expert. No-one knows its purpose.

On 4081,3 kHz there is a beep with a duration of 2 seconds which is transmitted every 4 seconds. No id has ever been heard. Another one can be found on 3757,1 kHz. A pip is transmitted every second. No id so far.

Also on 4625 kHz is a strange kinda timesignal station. It is best heard in the late evenings here in Europe and transmits the time (UTC+3 hours) in CW. No id heard. The time UTC+3 is Moscow time. It is unknown if the station transmits from the former USSR. The Middle East is also a possible location.

End of message Ende Ende Final Final

'till next time. Please, send me your comments, suggestions and loggings.
CU, Ary

FOREWORD

January was a busy month for me, with several time consuming projects Fun to do but as a result I had much less time to monitor a number of stations. Fortunately, fellow monitors did hear the broadcasts that I missed so we still have a well-filled N&O.

As happened more often in the past few months, a number of Polish-11 broadcasts were down in January. The reason is unknown to us, maybe maintenance or malfunctions. Occasionally perhaps due to thunderstorms. The outages sometimes lasted for many hours, as was the case on January 10th. That outage started after the transmission at 1105z and lasted until January 11th 1610z. Also, on January 16th some transmissions didn't show up between 0805 and 0900z. Another blackout occurred on January 17th and again on January 22nd. Test tones were broadcast but no messages followed.

Besides all E07, E11, S06 and S11a transcripts, we also have an extended V13 report and also many F01, F06(a), M42 and M42b transcripts. We received an excellent report from Priyom.org about the Stalingrad Clock station.

Thanks to all contributors.

VOICE STATIONS

E06

9075/6792 kHz, 04-01,1600/1630 UTC
11487/9371 kHz, 05-01, 0730/0800 UTC
480 725 44
02548 53632 54312 43057 21651 46767 47019 19462 47617 21039
80563 21028 26951 58019 29802 53210 86871 97204 93983 74258
54839 36836 29468 71841 36147 26743 84354 17097 36757 02529
32347 29215 92404 27434 47128 39084 67978 90346 23680 65623
15687 12709 81047 12471
725 44 00000

9075/6792 kHz, 11-01,1600/1630 UTC
11487/9371 kHz, 12-01, 0730/0800 UTC
480 279 45
35708 67317 45146 20918 40904 90628 95462 61959 37354 10252
86212 07689 25671 32384 13010 97860 04275 25470 23970 57426
68478 69296 59682 71930 03943 14785 78296 92501 16848 38143
84684 76316 07697 25163 57678 04098 67950 30158 25145 69450
14270 20175 92145 08269 05612
279 45 00000

9075/6792 kHz, 25-01,1600/1630 UTC
11487/9371 kHz, 26-01, 0730/0800 UTC
480 739 42
96581 32723 97657 94539 74281 54362 95630 28203 79818 59061
87431 94217 18392 26272 60216 30924 04247 27164 19287 15856
02153 79587 27260 28485 45348 90396 71807 14710 04926 46936
94096 16282 93139 02141 70931 59895 85267 17358 41290 04509
73464 58626
739 42 00000

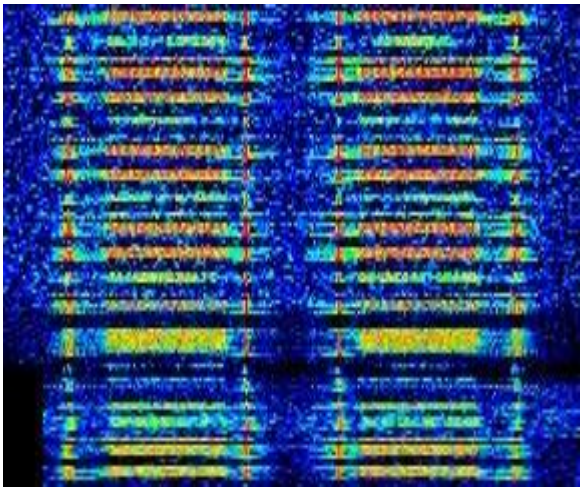
E07

11593/10293/9293 kHz, 1410/1430/1450 UTC

11593/10293/9293 kHz, 02-01/04-01, 1410/1430/1450 UTC
916 916 916 1 169 88 169 88
57024 02510 18432 77390 17932 60177 84972 89301 47102 38860
24419 23756 13562 91098 05833 27476 90941 44720 47698 51765
80222 35131 86504 66457 01960 42738 60381 99668 72380 40580

09429 16111 75207 37641 18927 03931 41092 80617 39218 35147
88329 12885 13798 35848 97061 67493 76588 92414 89111 56793
74088 13589 38301 76790 36819 14079 19926 63183 44741 90364
19705 15418 89125 64585 33042 99005 35846 00331 04373 03160
03541 67029 24227 87660 46105 67723 01384 66368 16075 82028
92855 07333 29958 63109 78023 54705 74737 86272 000 000

11593/10293/9293 kHz, 16-01/18-01, 1410/1430/1450 UTC
The transmissions on January 16th were in DSB (picture right)



916 916 916 1 714 125 714 125
63113 36569 01631 92409 18967 87472 31591 25136 83831 66654
34436 96567 86238 24864 52919 83099 39156 06920 19956 84715
84828 43387 57596 22867 02573 86656 53684 44577 96537 27123
59395 91726 18491 41947 26957 95163 04316 41332 02219 92086
97618 50130 12892 80716 31319 13273 84481 47695 03448 61010
10165 58102 80120 04698 62427 56230 33431 22861 32243 00043
63919 45081 60154 02091 62767 06933 03693 92187 35887 03070
16940 94245 30083 34001 52619 77960 54118 94883 18216 71049
37319 21553 13472 44800 05118 75620 04046 43760 38303 30367
39244 23701 63259 32827 74962 44288 55281 48457 37117 86687
70822 22350 43811 71388 22601 72276 48361 85516 74751 66042
18112 01743 23017 37453 63131 13467 74930 91770 16001 54469
85022 22268 24221 98512 65747 000 000

11593/10293/9293 kHz, 30-01, 1410/1430/1450 UTC
916 916 916 1 582 167 582 167
03718 95620 66945 78759 25600 90963 76500 79741 44877 00924
11124 25257 99408 25434 83890 08532 12212 30236 47545 46641
05375 84845 16224 70264 38344 27257 30571 71379 80088 40130
95349 98088 87597 05057 66086 10216 69007 82808 23366 53062
28560 82572 95627 77018 62961 95350 09218 88169 34136 01052
51221 68655 76066 12891 82550 10048 97017 57771 51185 41998
56161 17836 57012 24432 39046 11419 69466 92686 11356 71799
49242 23816 90558 41613 88059 48622 08098 02336 95842 98430
46306 48270 06595 15423 30008 99033 54642 68620 50167 37615
60135 21874 56050 68669 14400 41749 50241 29220 98498 62047
01504 34256 53383 51974 27018 34251 43263 84296 13551 33389
78027 16306 30129 67644 95009 43092 91184 58961 51822 76010
36608 00381 66773 58080 76685 46602 41084 44838 16561 22936
46534 31276 34011 05155 69195 87172 79810 37656 51712 75594
01720 04152 48199 77725 87942 26468 67122 74407 76774 00193
40353 20983 57959 95937 31196 43522 05717 96085 81678 20014
09554 91507 47265 38355 46012 29640 28273 000 000

13375/12175/10375 kHz, 1500/1520/1540 UTC

13375/12175/10375 kHz, 07-01/10-01, 1500/1520/1540 UTC
313 313 313 1 419 175 419 175
85472 13777 57130 00953 89290 56041 83059 85066 17060 90286
52239 19207 36284 15285 49620 44302 77735 04633 13328 65802
48121 94844 63599 79686 83185 51286 33835 17134 00634 40891
11365 36731 64069 22553 48156 06110 91112 68973 94517 78566
04478 44633 34597 25226 16986 75331 86185 19905 58891 39323
42431 65718 34105 01726 29359 14504 00270 96098 43158 48753
94792 76680 40221 57626 49027 72439 40746 33110 91503 66130
17848 52176 43257 24709 48739 45723 10724 40535 82215 67185
00591 28772 05566 93178 32649 32111 20963 71709 14156 35832
22569 54571 33560 26303 19685 62206 21360 95075 95791 73722
26996 66850 12179 44905 81160 21876 64627 94488 31062 89305
61749 30125 22978 12166 91623 95655 01243 60142 41755 12231
08421 32343 60327 91899 78522 19909 49314 41913 74883 52089
94735 97186 45678 98938 82226 10513 73725 09592 87769 54229
63888 77580 56558 78860 32052 21730 63676 67499 05447 38073

14433 70554 53770 03991 59168 45443 57620 40807 37620 94670
91185 88311 51650 92851 01137 59725 36512 90563 72581 14415
45499 20871 01053 52137 18808 000 000

13375/12175/10375 kHz, 21-01/24-01, 1500/1520/1540 UTC
313 313 313 1 2949 112 2949 112
65382 41961 26348 32086 99165 78908 57151 96529 02174 41350
96306 72376 80953 45862 81050 03199 84715 40723 01671 56173
47156 59298 85387 08966 28481 68950 61053 77461 89297 25144
49306 19979 40714 74368 64464 09799 42274 26680 87881 64964
22638 87100 85352 95948 40120 65612 06354 75882 09430 47567
01457 36226 83780 57984 22128 49359 57286 78984 43504 46895
15527 00459 92722 39050 05068 08158 73688 93872 37096 48335
06602 08774 44674 50086 16288 30608 59040 35122 82689 05260
05409 53688 79107 45114 98054 24041 13408 76626 57460 47913
44297 86377 88774 10741 26906 12790 35000 90046 21101 76948
83936 32889 76849 65725 64910 85226 90634 28797 52836 65585
59369 09206 000 000

E11a

4505 kHz, 01-01/04-01, 1610 UTC
393/31 Attention
89888 83601 13873 51231 89226 84807 06552 28804 42326 35386
73146 64426 64573 94168 43257 80027 49420 07399 08906 01241
03413 81855 59797 80426 00833 72446 93451 78731 02045 58450
13409
Attention (message repeated) Out

11104 kHz, 02-01/03-01, 0820 UTC
431/37 Attention
85647 97864 12451 75077 46480 66822 36879 65072 51769 25771
31428 47574 07574 33044 82321 70199 98707 93858 89489 95881
45565 03239 91248 88316 47030 99844 31914 42421 33233 80457
10946 22552 82042 06075 07060 95860 83221
Attention (message repeated) Out

7850 kHz, 03-01/05-01, 0600 UTC
359/39 Attention
12236 05016 72105 65454 84911 45021 13168 80015 30688 48721
83300 79171 90564 25068 08118 09271 71560 88428 96743 47328
38268 46280 43650 85274 67570 70524 44419 31483 72420 93895
96073 45324 00352 14058 54284 92759 82579 84099 69418
Attention (message repeated) Out

10487 kHz, 03-01/05-01, 1910 UTC
613/34 Attention
36836 11520 24806 87078 68935 48429 08296 07729 52961 44830
56371 88835 37150 01786 04172 72056 79349 26024 08987 35710
23860 62423 81183 66484 72201 81753 71871 71663 98719 40415
96401 78806 44450 40135
Attention (message repeated) Out

4298 kHz, 04-01, 1905 UTC
121/30 Attention
29966 15115 16938 49688 87378 85948 28575 54097 71534 29557
81443 42263 06391 70042 26918 34093 11473 38635 00792 66822
17682 06435 42610 82512 72043 08800 94749 24379 27974 01829
Attention (message repeated) Out

20167 kHz, 06-01/08-01, 0715 UTC
750/34 Attention
07200 55749 09646 19880 22552 18360 39905 61165 69670 49528
28235 30483 57190 47038 43834 36591 35994 07102 69790 90890
82527 93822 65329 76927 77602 64499 26124 69753 92810 24148
75506 63429 30702 48581
Attention (message repeated) Out

15915 kHz, 06-01/08-01, 0900 UTC
530/34 Attention
13762 26460 76379 91158 57744 66790 24296 89627 28698 93327
32761 54456 51255 43267 83997 76744 56598 71528 58443 08186
36059 66269 35656 34475 62899 94710 21521 94111 93361 83163
94517 24766 23001 05092
Attention (message repeated) Out

4909 kHz, 06-01/09-01, 1300 UTC
312/38 Attention
95929 99611 91457 34123 01588 10823 67792 36641 82776 12581
93496 70217 77026 95171 45534 94732 93943 97515 79800 53269
92332 05310 92073 29979 95095 20442 85323 82549 32666 98418
39731 80944 32502 64615 97836 73289 23867 54790
Attention (message repeated) Out

12924 kHz, 06-01/12-01, 1745 UTC
249/40 Attention
59650 49046 38763 56702 60541 10076 09432 90631 05474 94372
86998 29093 54987 96828 81347 43729 37721 39067 81522 93833
08188 28504 84180 94711 51746 94432 68968 58878 65860 67800
32024 73122 61875 46371 35582 79407 49963 63625 88668 34746
Attention (message repeated) Out

13908 kHz, 07-01/09-01, 0745 UTC
223/32 Attention
51783 53773 36989 07893 37627 17867 20311 28381 63460 03836
86154 68790 72842 24108 36514 18322 60111 93596 24313 24309
17367 58306 56719 56734 25046 57299 75210 50470 06698 94772
81545 94631
Attention (message repeated) Out

4909 kHz, 11-01/12-01, 1645 UTC
368/35 Attention
21396 28404 27893 36898 66825 08333 44278 99404 43927 46988
08761 27717 95089 82829 30469 57215 94629 36776 37092 72113
65277 15182 74721 63500 70265 03717 23948 59815 19195 06593
38191 37939 66645 35449 85969
Attention (message repeated) Out

12089 kHz, 13-01/15-01, 0315 UTC
251/34 Attention
49573 16181 78055 78091 37266 89389 09172 17683 55670 22278
33388 25002 36411 48546 65697 78698 47373 58853 67634 05284
24863 23925 27446 85088 12572 70136 98221 12390 53468 48826
26784 19734 24547 01963
Attention (message repeated) Out

10213 kHz, 13-01, 0745 UTC / 5409 kHz, 16-01, 1530 UTC
264/34 Attention
26507 20398 44370 06701 74328 01983 67972 31675 46157 30492
80240 87166 76384 69108 92588 84497 75571 03015 93968 23487
51069 20682 41175 75968 73753 16647 47282 91929 70420 33502
21264 30514 76255 28847
Attention (message repeated) Out

7840 kHz, 14-01/16-01, 0645 UTC
519/33 Attention
51744 60485 82892 70614 78591 20232 88596 25818 42765 14625
29567 52994 85454 81325 40567 35299 19019 77354 81844 82462
20145 65792 72502 23945 50812 07316 54761 63789 92265 64884
89600 49492 36306
Attention (message repeated) Out

14975 kHz, 14-01/17-01, 0715 UTC
630/33 Attention
55397 87242 66002 21568 36028 80345 78731 71759 65937 06104
85511 21093 39309 59547 21920 33651 42429 29239 96317 28739
42462 03620 99765 37470 06286 67989 27563 14399 83362 37604
48538 66909 31369
Attention (message repeated) Out

9079 kHz, 14-01/17-01, 1000 UTC
308/28 Attention
17564 79809 27390 57315 19817 95933 18504 35665 41761 99096
56843 82642 03697 90854 76177 05493 59190 72090 98616 53008
61481 49820 94575 22261 98135 38013 55904 90313
Attention (message repeated) Out

11559 kHz, 14-01/15-01, 1205 UTC
469/39 Attention
10303 44161 32455 64979 49705 14765 31502 83122 46975 83531
61087 96424 25328 17279 71933 63897 40404 84644 39813 25254
00974 44085 58534 30029 19157 47513 64349 10476 41705 49015
08117 06466 02940 04866 67097 72113 19830 56447 64359
Attention (message repeated) Out

12153 kHz, 14-01/16-01, 1230 UTC
335/31 Attention
05607 99322 53097 55718 60972 47410 13917 70145 07975 54866
46997 95456 40766 40830 99966 52538 88315 94005 55352 48908
14803 57101 57908 33917 64524 31680 28705 44616 71275 25250
66214
Attention (message repeated) Out

13363 kHz, 14-01/18-01, 1430 UTC
918/38 Attention
22330 77801 64583 31187 21584 57819 61861 16169 71712 71091
63805 49811 47199 49432 83532 30545 79624 88214 37964 82308
24931 51528 27989 91289 03034 30013 82509 32674 95981 34981
58862 70403 94113 71840 89119 70661 16454 81894
Attention (message repeated) Out

5432 kHz, 14-01/19-01, 1605 UTC
232/38 Attention
60374 75747 30289 51113 34612 73149 96450 86075 88280 83862
90301 55488 59847 39147 67314 26875 96505 23899 04858 27620
74942 85461 80556 45093 30609 35612 27464 60529 80721 01251
29087 80906 43921 48211 55736 50524 04096 14570
Attention (message repeated) Out

17378 kHz, 15-01/17-01, 0745 UTC
343/32 Attention
22082 01618 73033 97808 01564 43721 21240 45326 81328 18679
08700 98895 06616 37042 30535 77544 37765 73887 21603 48122
95806 32594 97864 32822 51076 55428 62001 66771 32573 53558
22510 52997
Attention (message repeated() Out

5082 kHz, 16-01/19-01, 2000 UTC
528/36 Attention
20758 55231 85660 40148 70086 54909 70489 75387 95122 25738
94286 87319 52363 13618 84594 71785 53019 06018 31622 23879
23724 64701 55360 64031 85408 55313 25043 17148 25858 10404
20516 33360 12534 75601 22484 46675
Attention (message repeated) Out

5432 kHz, 19-01, 1605 UTC
232/38 Attention
60374 75747 30289 51113 34612 73149 96450 86075 88280 83862
90301 55488 59847 39147 67314 26875 96505 23899 04858 27620
74942 85461 80556 45093 30609 35612 27464 60529 80721 01251
29087 80906 43921 48211 55736 50524 04096 14570
Attention (message repeated) Out

23353 kHz, 20-01/24-01, 0830 UTC
182/35 Attention
74446 68490 64447 42287 87174 86514 47970 20978 20940 78022
85844 47795 87659 46638 94484 76454 94825 13709 31241 65761
17888 88322 52853 68457 06126 07738 64857 50450 14097 77097
11102 87252 59553 43454 08788
Attention (message repeated) Out

12067 kHz, 20-01/22-01, 0845 UTC
713/31 Attention
29597 58716 89847 98862 07560 70406 99692 36518 06518 05303
43323 82710 03617 03964 94496 81248 79948 51633 37037 24681
45617 97714 81766 56456 81119 53088 36942 37287 22548 59499
38141
Attention (message repeated) Out

14410 kHz, 20-01/22-01, 1045 UTC
691/38 Attention
57369 70527 34809 32632 38004 08036 62728 91125 41535 79443
90509 64510 11623 58038 33838 69854 36877 02684 83630 15454
89139 61034 47269 80127 87360 53973 37003 72173 13073 86399
80295 16004 88999 76504 60480 95046 40361 88946
Attention (message repeated) Out

6804 kHz, 21-01/24-01, 0700 UTC
577/33 Attention
42267 22269 47717 90588 81353 35190 96423 51575 44903 80602
17543 19829 33003 12786 99693 20704 92694 21050 04361 81592
65684 42848 84163 60226 54117 42967 16453 78008 17754 05341
32069 03889 87999
Attention (message repeated) Out

14611 kHz, 21-01/22-01, 0820 UTC
130/35 Attention
13390 99644 30252 97838 67078 33018 06757 10869 33318 80907
05993 81830 37253 18164 18065 70447 44697 21594 54245 80882
75737 76847 38500 43826 13150 80913 85883 12927 52418 70987
17997 77566 91771 11218 36250
Attention (message repeated) Out

17378 kHz, 21-01/23-01, 0845 UTC
151/32 Attention
77741 54475 25130 69268 76662 15639 42368 96771 01391 46008
16496 05734 17520 28473 67646 75448 56221 42766 15769 43013
08269 00299 21838 80376 01543 48715 37385 09456 14314 82639
24027 54967
Attention (message repeated) Out

7469 kHz, 22-01/23-01, 0930 UTC
271/31 Attention
44592 70891 48343 29253 83730 93844 04790 01842 02501 58795
03916 11821 42567 80661 27365 80204 70819 08365 48915 56755
86657 88079 49344 71420 71954 46565 16351 15500 99154 77278
85264
Attention (message repeated) Out

5082 kHz, 22-01/24-01, 1715 UTC
976/35 Attention
65473 50876 17044 41629 86235 65620 90417 35639 79073 12843
24581 87355 94850 80699 30171 73959 75405 72726 54134 49271
71400 32900 73798 93233 13714 37195 05000 25777 19231 44264
17235 06818 41582 85273 50143
Attention (message repeated) Out

6849 kHz, 24-01/26-01, 1815 UTC
924/39 Attention
86487 87629 20556 20686 65482 62878 86699 12853 64759 33396
15567 60610 96840 90847 87216 21241 07023 07776 85324 05375
88053 42973 00842 94783 27311 96425 85282 18782 01758 94143
52736 38596 87184 61728 18757 23369 64330 11915 63571
Attention (message repeated) Out

5371 kHz, 25-01/26-01, 0700 UTC
492/34 Attention
28717 11583 34543 03784 97972 81108 13278 40448 66426 79980
82724 03094 67612 30640 78780 00045 45962 54043 41313 76603
10385 90093 90331 15077 07976 41674 92590 07617 54908 06802
37593 82596 56363 93788
Attention (message repeated) Out

23004 kHz, 27-01/29-01, 0600 UTC
941/37 Attention
73296 12927 56347 55808 47694 80431 79644 32960 17991 68698
00836 53102 00827 30758 81278 39254 04840 58711 87760 72457
44167 59334 02886 65254 66458 21260 67244 96449 48966 28759
56143 03908 29476 04069 09334 78137 39433
Attention (message repeated) Out

6849 kHz, 27-01/30-01, 1900 UTC
644/31 Attention
18191 52638 34617 64164 66040 26200 12441 67908 80386 27115
92971 78591 28708 55171 87780 51630 79739 33390 43308 44429
92503 84735 95440 40650 23648 88531 48079 58670 25550 54528
61783
Attention (message repeated) out

S06

11073/10212 kHz, 08-01, 0930/1030 UTC
480 613 42
16123 19286 51876 42670 70797 47296 97496 24831 43640 14706
40495 73639 74092 50264 02974 75404 92078 75197 47234 84869
85141 40420 18523 02987 63717 51701 64169 74127 50879 38908
96216 61242 46867 12582 10806 71062 82137 48960 29072 14103
15256 94208
613 42 00000

11073/10212 kHz, 15-01, 0930/1030 UTC
480 135 47
83857 82738 95128 67828 14215 19473 93590 31472 01020 92865
14536 69686 90916 31648 56291 83617 97415 65967 65065 80592
78945 07501 41306 31208 14386 65643 15317 94104 06179 64073
24898 29346 96106 04180 65973 46178 31437 58048 51913 18741
32827 65846 79159 13904 41421 83834 36252
135 47 00000

11073/10212 kHz, 22-01, 0930/1030 UTC
480 521 43
49308 48926 41386 09456 78983 42158 94916 75157 52854 71720
26928 32973 97473 19218 83130 45242 38520 17674 68516 50736
70654 83191 06426 44525 56184 97212 52147 68415 75768 97832
65469 95636 63291 51789 12897 09797 28124 51908 89490 14261
72169 38137 80963
521 43 00000

11073/10212 kHz, 29-01, 0930/1030 UTC
480 125 46
87065 70564 96947 59160 76054 86268 74102 36961 79486 27248
85165 95963 46365 37354 68935 06723 89040 37134 72145 84673
15063 32737 09640 61241 01890 79287 37548 19694 19720 89246
12151 70593 17493 25843 63919 96320 95314 74610 56701 49061
81317 45372 56160 68278 72698 03708
125 46 00000

9075/6792 kHz, 18-01,1600/1630 UTC
11487/9371 kHz, 19-01, 0730/0800 UTC
480 769 45
56982 92976 50279 47947 24715 83874 86430 69425 65386 29754
83471 48762 23968 71290 47379 35303 38746 83171 28927 72040
37496 39327 71862 29501 50638 54503 03491 17379 75323 38929
79561 02535 56486 07510 45021 61963 05632 03939 46206 90706
71764 43154 42607 57148 29286
769 45 00000

Pacific schedules

No transmissions on 1, 2, 3, 6, 7, 8 and 10 January

11616/9322 kHz, 09-01, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 13-01/14-01, 0400/0420 UTC
480 927 54
72753 45164 95698 81414 53458 47244 90176 30743 67512 68143
15698 02831 47138 46102 24085 34890 43907 41495 04779 86999
97532 24542 42161 22437 06323 71325 14370 95545 35228 47791
32067 39300 22432 86426 40580 69764 70404 85305 33860 49640
32374 84176 53695 78078 30143 94296 72615 98947 64186 07686
83921 44753 01980 52500
927 54 00000

11616/9322 kHz, 15-01/16-01, 0400/0420 UTC
480 135 24
51402 50222 95028 48098 61190 03187 09954 23126 87863 41808
67113 18162 54063 52012 34791 42861 24243 12016 58729 74248
00108 88215 35340 91529
135 24
480 679 26
51855 44849 80654 92112 27795 04333 33528 16470 63100 16338

10302 80854 71499 10128 35396 72875 93542 76025 73282 54218
09312 47724 33823 56099 59442 26119
679 26 00000

11616/9322 kHz, 17-01, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 20-01/21-01, 0400/0420 UTC
480 523 59
12954 25943 30254 16435 34467 05217 11630 80678 04121 03773
96368 66814 60199 77065 56938 88139 98940 30099 12373 84909
22096 48935 54580 99654 32227 70978 68506 21726 74211 86212
07079 05772 46366 86588 06873 93826 29640 05734 55440 95701
08313 16192 46238 07359 80631 76363 82083 71968 82828 44343
13092 13322 74958 00838 20019 96303 61978 48354 78949
523 59 00000

11616/9322 kHz, 22-01/23-01, 0400/0420 UTC
480 256 17
41336 32677 21697 80732 32429 32720 64235 02205 69524 96054
16181 68282 81569 14068 42748 21420 37740
256 17
480 791 34
05944 18881 93840 98668 91138 11070 03363 76553 68953 27164
44214 09179 06241 46019 08699 23176 36715 14025 92801 93649
86857 93338 31112 87583 36670 84438 03348 65146 69990 96432
79626 74859 94041 63552
791 34 00000

11616/9322 kHz, 24-01, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 27-01/28-01, 0400/0420 UTC
480 937 52
98016 14964 56771 45425 83086 49931 34664 25064 06675 67387
82310 79104 25728 56047 38191 49431 72116 62444 45881 83485
05873 75882 72574 95635 65799 00205 61691 98953 82118 85825
86754 43348 60872 20440 98719 20976 54736 01873 83952 24880
99951 41491 75043 71783 24063 71618 81627 24990 94136 55390
33431 78303
937 52 00000

11616/9322 kHz, 29-01/30-01, 0400/0420 UTC
480 165 20
10100 73268 11186 24265 97672 82513 09552 52871 04950 42010
31850 34829 99017 93405 92447 47618 70468 80653 41071 64649
165 20
480 372 40
63430 51479 84649 26667 00341 25342 51983 10761 44568 98352
41929 12609 52566 23066 43711 85525 01928 17506 72705 07738
65503 29483 60818 78007 08263 14694 15705 55491 05365 20771
09782 48531 04837 94479 84952 82053 83339 54243 84001 98271
372 40 00000

11616/9322 kHz, 31-01, 0400/0420 UTC
480 480 480 00000

S11a

21906 kHz, 06-01/08-01, 0510 UTC
655/38 Vnimaniye
56339 04549 73635 28604 95449 38946 74277 85304 28961 98328
18945 03305 88766 18658 91079 68356 25303 73869 67041 98663
42031 34216 71178 96857 75061 41856 76918 86775 17843 72488
75475 30120 47736 38551 97073 63501 20369 81724
Vnimaniye (message repeated) Konets

9050 kHz, 06-01/09-01, 0700 UTC
475/40 Vnimaniye
34325 70449 41601 58100 44853 24104 13231 19634 50078 85252
88887 77796 28978 36198 60951 88461 39441 70012 27906 44716
92714 21609 19119 76631 37635 11886 73077 27865 78710 16683
58681 83582 07372 24712 19153 28813 84609 07006 16744 29347
Vnimaniye (message repeated) Konets

23486 kHz, 08-01/10-01, 0725 UTC
383/38 Vnimaniye
80053 66074 16883 18633 24015 27229 88669 87743 12123 08124
97548 48172 76030 19702 05132 25717 46016 24963 03243 86881
29143 09380 18818 86749 13005 50024 43669 73291 34409 99111
21264 63544 87839 99963 93338 08871 24346 72845
Vnimaniye (message repeated) Konets

5371 kHz, 11-01, 0830 UTC. No transmission
5371 kHz, 12-01, 0830 UTC
373/32 Vnimaniye
36354 05442 35053 42125 09273 74358 41386 80621 86393 62305
06458 78866 56174 51234 45648 98743 16289 00342 48506 16388
13514 19149 60224 02591 04181 74790 80031 78639 63844 09165
81193 89851
Vnimaniye (message repeated) Konets

10448 kHz, 14-01/17-01, 1400 UTC
427/36 Vnimaniye
00331 15048 78760 00478 44243 88970 52437 43818 82388 19513
66024 03384 92368 74804 63000 69406 63311 38651 47136 97100
84827 99556 67830 18391 83824 17554 22779 85997 59989 63639
08677 23143 87027 80788 76958 98014
Vnimaniye (message repeated) Konets

11486 kHz, 22-01/25-01, 1850 UTC
281/36 Vnimaniye
37570 95835 28333 46279 00634 49657 77572 08858 86393 56234
18147 16600 47368 30362 54209 61653 51148 78241 92614 93761
76729 90630 69433 16860 90880 46738 21785 00073 91672 76747
31902 33839 33238 32614 88247 17753
Vnimaniye (message repeated) Konets

6252 kHz, 24-01, 0915 UTC
483/35 Vnimaniye
38005 30152 10600 16233 65917 51494 86865 64807 76641 29607
25908 61005 44166 12351 58373 42649 24764 45348 75139 11779
65729 84649 49537 12757 37053 99892 70700 10279 85048 23647
68282 97625 64954 21126 47535
Vnimaniye (message repeated) Konets

11559 kHz, 28-01/30-01, 0445 UTC
791/34 Vnimaniye
75741 37795 54456 53424 33820 10259 97891 33330 26329 39965
45181 14110 43014 33165 64252 03149 69997 11636 60912 37052
44488 04808 03525 53621 70525 69228 06704 53602 12585 94986
17942 10785 72854 56064
Vnimaniye (message repeated) Konets

V07

17436 kHz, 05-01, 0200 UTC
464 464 464 1 3178 79 3178 79
38973 18191 41248 63964 12904 79355 05947 40927 57436 31923
66055 98425 88008 71027 91200 43317 14660 86618 03620 37298
66380 10311 25104 66518 09287 66422 64892 51932 34886 34040
54897 32731 99993 00113 81652 05522 86488 59288 28929 37868
52874 39272 62830 34805 32581 82097 93834 50267 23384 86494
33340 21056 29439 69479 72114 95641 45559 95611 94183 08559
61367 45566 32808 86996 71621 23739 26288 33859 95411 99227
85922 88187 14720 87604 70564 34727 47056 30632 29124 000 000

17436 kHz, 12-01, 0200 UTC
464 464 464 1 1223 64 1223 64
83475 02222 94474 01315 30310 67017 67835 19171 59605 44341
82079 26373 95250 41059 39656 05857 98189 51160 48601 68644
90485 00884 35320 37408 57641 38553 72502 14947 27064 73846
40351 76448 16185 08063 44070 18037 33436 43988 61963 39648
85713 50218 48810 58654 19317 09995 54664 59020 01800 13021
52098 98904 08313 29264 01494 86731 51757 47201 59237 30950
94929 12531 78103 17882 000 000

17436 kHz, 19-01, 0200 UTC
464 464 464 1 8042 42 8042 42
17427 66753 37264 30548 62356 10884 12854 50589 76903 68649
50860 74502 76621 00515 66961 05499 21461 71673 75491 36591
33621 75168 65050 98466 40407 92649 20810 36173 96100 17027
56384 01245 12939 35815 99089 53777 31118 01777 58417 96937
99608 95768 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators
- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to
- three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analogue voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

没有电报给你 (meiyou dianbao gei ni = no telegram for you)
再會 (zai hui = goodbye)

Thanks to AVX, Cryptlab and Fspy for the huge V13 report,

19052 kHz, 01-01, 0000 UTC.New Star Broadcasting. Station 1(a)
Unit IDs: 7999, 8138, 8191
Group Counts: 50, 52, 51

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4749 0705 8407 0597 2932 9171 3678 7745 3278 6976

8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 7963 4924 8878 8271 0202 1410
1434 5007 0216 5928 0096 7744 6505 7704 7080 5574

6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936 6288 2799 8770 1612 2731 5436 9606 1743 1570
2680 1774 5767 4981 2851 1559 6097 7396 7463 0803
0763 0597

7954 8058 3815 6119 4367 7407 4938 3412 8187 8169
1413 0934 0671 0602 1938 6728 2274 5702 2544 3658
8370 3745 3148 6563 6921 9029 3186 4786 2964 7666
7404 5519 7235 4116 5420 5957 8804 6688 1123 4716
4036 1147 0538 5485 6733 0807 9216 8386 6813 9269
2772

January 1st comments:
Station 3,4: carriers only at 0000/0030/0100/0130z
Station 2: carrier only at 0200/0030/0300/0030z
No messages from Stations 1(b),2,3,4

January 2nd omments:
The strange behaviour continues.
Stations 2,4,5 sent headers, then "Meiyou dianbao gei ni" (no telegram for you) at 1000/1100z. No transmissions at 1030/1130z
Station 1a transmitted on 15388/14944 kHz at 1200/1230/1300/1330z
Station 1c announced "no telegram for you" with a "zai hui" (goodbye) sign out.
Stations 3 and 4 sent headers, then "Meiyou dianbao gei ni" (no telegram for you) at 1200/1300z
Station 3 had only a carrier at 1400/1430/1500/1530z on 20095 kHz

8169 kHz, 01-01, 0000 UTC. New Star Broadcasting, Station 1(c). No message available statement
8169 kHz, 01-01, 0100 UTC. New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off
20095 kHz, 01-01, 1000 UTC. New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off
11430 kHz, 01-01, 0300 UTC. New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off
9276 kHz, 01-01, 0300 UTC. New Star Broadcasting. Station 2. Briefly headers, followed by "no telegram for you", then off
20095 kHz, 01-01, 1000 UTC. New Star Broadcasting. Station 5
19052 kHz, 01-01, 1000 UTC. New Star Broadcasting. Station 4
20025 kHz, 01-01, 1000 UTC. New Star Broadcasting. Station 2

January 4th comments:
After sending tonight 0000-0330z only station 1a and 1c, and 1b,2,3,4 only no carrier shows (despite some cut off after the headers and no msgs only),
V13 is now 1000z operating as usual!!
1000z 19052 station 4 back with the msgs from 29 Dec. 24
20025 station 2 dito
20095 station 5 dito
V13 state 1330z: All stations are up as scheduled with their respective messages from Dec. 29 2024. Except Station 1c, which only has a carrier on 8169.
Station 3 working on the single skeds from 1400z-1530z 20095.
Station 1c was not on air today in all slots,
Station 1a was not on at 1200z, but at 1230/1300/1330z on air as scheduled.

9276 kHz, 02-01, 0300 UTC. New Star Broadcastiong. Station 2
Unit IDs: 6738, 6817, 8342
Group Counts: 31, 32, 32
Note: odd broadcast! It read out three unit IDs and group counts, but then followed with the null message dialogue: "at this time, we don't have messages for you", then abruptly cut off without the outro.

January 5th comments:
Station 1a was back to 18040 at the 0030/30z slots.
Station 1c: not aired since FRI 3rd Jan 2025.

19052 kHz, 05-01, 0100 UTC. New Star Broadcasting. Station 1(a)
19052 kHz, 05-01, 0130 UTC. New Star Broadcasting. Station 1(a)
Unit IDs: 7999, 8138, 8191
Group Counts: 50, 52, 51

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4749 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410
1434 5007 0216 5928 0096 7744 6505 7704 7080 5574

6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936 6288 2799 8770 1612 2731 5436 9606 1743 1570
2680 1774 5767 4981 2851 1559 6097 7396 7463 0803
0763 0597

7954 8058 3815 6119 4367 7407 4938 3412 8187 8169
1413 0934 0671 0602 1938 6728 2274 5702 2544 3658
8370 3745 3148 6563 6921 9029 3186 4786 2964 7666
7404 5519 7235 4116 5420 5957 8804 6688 1123 4716
4036 1147 0538 5485 6733 0807 9216 8386 6813 9269
2772

8169 kHz, 05-01, 0200 UTC. New Star Broadcasting. Station 1(b)
8169 kHz, 05-01, 0230 UTC. New Star Broadcasting. Station 1(b)
Unit IDs: 5470, 5833, 6247
Group Counts: 35, 30, 33

8492 3494 4333 9143 6839 4666 7328 1408 8161 3530
7786 6853 4982 2387 9656 5492 7995 2656 7469 7444
3673 6221 8907 1554 0913 4313 1134 4040 5579 1633
5044 4542 5497 8278 2183

3984 4505 9580 6846 8236 8955 1721 6381 4445 0291
9944 8660 9851 4786 7261 0622 0175 6156 8668 1525
1598 3361 4539 2235 5109 4700 1043 7236 2892 3304

4192 3717 5200 9768 3521 2896 6703 1663 0108 6289
8127 0893 7202 5911 6839 1768 1355 9185 0788 4049
2280 4619 4856 8560 5333 0704 3981 9015 4722 6874
2088 8579 0539

8300 kHz, 05-01, 0200 UTC. New Star Broadcasting. Station 2
8300 kHz, 05-01, 0230 UTC. New Star Broadcasting. Station 2
Unit IDs: 2085, 4392, 7106
Group Counts: 31, 34, 35

4294 3054 3923 7068 7477 5984 9310 7436 4054 2872
1469 8471 1474 6656 9851 1563 6235 0918 3135 9711
0648 2420 7274 9688 3567 8671 0279 2340 6401 6230
6064

1673 6833 4989 7025 4859 7729 8314 9421 2398 2657
0938 9982 0788 2261 1747 7665 1767 8422 4557 3434
6032 4809 0984 7334 3667 9241 5932 8985 5252 5003
2378 0415 6357 0181

6159 8268 4212 8759 9714 9879 0499 5632 2310 4781
4764 3028 4313 1631 8631 6129 8959 7487 8166 8004
8265 9507 8983 5827 6882 6878 5859 2236 2338 7792
3031 0162 6813 4225 1611

15890 kHz, 05-01, 0000 UTC. New Star Broadcasting. Station 3
15890 kHz, 05-01, 0030 UTC. New Star Broadcasting. Station 3
Unit IDs: 3174, 6063, 7735
Group Counts: 30, 34, 31

7758 3469 5043 3017 7553 2714 2403 2659 5679 4503
7497 1085 6865 0574 8185 5780 7613 3929 9211 5788
6233 4041 5848 5478 9604 4719 5404 7885 2145 9961

5512 6426 5314 0989 3776 4323 8549 9121 1210 2260
0431 4684 7667 0334 1925 9841 3158 4517 2583 4135
8941 8807 6944 2452 3631 5679 2992 8413 3483 3404
2142 3900 6325 8700

6736 3659 3853 1327 2235 5622 8930 0010 4200 5052
3845 3124 6204 7963 5501 9051 5680 0934 7319 6803
6228 4928 8877 9896 0517 4075 7670 7887 4888 0788
4453
Notes:at 0100/30z 18040 not aired!
Intro music skipped and lagged a few times.

20025 kHz, 05-01, 0100 UTC. New Star Broadcasting. Station 4
20025 kHz, 05-01, 0130 UTC. New Star Broadcasting. Station 4
Unit IDs: 1794, 3346, 8421
Group Counts: 30, 30, 30

9154 0301 9896 3181 1744 9611 0285 7761 7864 5170
2588 7945 3267 5352 7335 3793 5849 6508 8717 5088
1360 9200 1979 7299 9709 7490 3970 0948 8519 8694

3075 6037 7062 4521 0430 8575 4874 0994 2529 4963
2334 9013 7355 5884 7144 2306 9838 4737 6120 9963
4872 2044 0042 1786 1953 5415 1439 5467 8143 5687

5806 6733 3967 8657 0442 2981 0060 8324 8503 4431
6346 2507 9445 1005 8125 9395 7683 2648 7857 5818
4064 1595 9709 7477 0139 1046 5861 3644 0905 1510
//note: groupcounts 3x30!

20095 kHz, 05-01, 1000 UTC. New Star Broadcasting. Station 5
20095 kHz, 05-01, 1030 UTC. New Star Broadcasting. Station 5
20025 kHz, 05-01, 1100 UTC. New Star Broadcasting. Station 5
20025 kHz, 05-01, 1130 UTC. New Star Broadcasting. Station 5
Unit IDs: 2243, 2731, 2890
Group Counts: 32, 31, 33

1182 0711 7961 9601 6765 3838 6732 8901 3281 6242
6793 1579 3208 0273 6924 6766 2216 4349 0725 2123
6197 5401 4077 1233 6420 8680 2472 9733 5966 1580
3723 2363

3040 0154 5072 5749 9278 1998 9386 5811 4694 1324
2887 2781 0803 0602 9662 1588 6104 3299 8226 7516
3254 5989 5770 5176 4240 4735 5765 9265 2885 8985
4738

3350 9748 3411 8356 5509 7131 0665 3567 5779 2741
2488 0131 0938 2015 7427 3170 5519 2544 6007 5258
1231 2776 9578 2026 0728 3275 0279 8157 1314 1035
3396 4257 8292

18040 kHz, 06-01, 0000 UTC. New Star Broadcasting. Station 1(a)
Unit IDs: 0419, 0506, 1193, 1842, 2081, 2196, 2220
Group Counts: 10, 14, 14, 11, 15, 10, 16

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
0705 8407 0597 2932 9171 3678 7745 3278 6976 8440
7179 3066 1626 3294

2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810

9553 6439 9982 2437 6760 2956 0858 7722 4952 8815
5099 5732 9530 6847 3386

7052 9888 7739 7494 1976 1436 9135 7841 5892 8646

2878 0936 6288 2799 8770 1612 2731 5436 9606 1743
1570 2680 1774 5767 4981 2851

15890 kHz, 05-01, 0000 UTC. New Star Broadcastiong. Station 3
Unit IDs: 3174, 6063, 7735
Group Counts: 30, 34, 31

7758 3469 5043 3017 7553 2714 2403 2659 5679 4503
7497 1085 6865 0574 8185 5780 7613 3929 9211 5788
6233 4041 5848 5478 9604 4719 5404 7885 2145 9961

5512 6426 5314 0989 3776 4323 8549 9121 1210 2260
0431 4684 7667 0334 1925 9841 3158 4517 2583 4135
8941 8807 6944 2452 3631 5679 2992 8413 3483 3404
2142 3900 6325 8700

6736 3659 3853 1327 2235 5622 8930 0010 4200 5052
3845 3124 6204 7963 5501 9051 5680 0934 7319 6803
6228 4928 8877 9896 0517 4075 7670 7887 4888 0788
4453

Note: intro music skipped and lagged a few times.

January 6th comments
Now onto the observations:
1) V13 Station 1a 1200z 15388 nil //MON 06012025 It was back normal at 1230z.
2) V13 St. 1a wrong start on 15388, then switching correctly to 14944 after the music intro!
3) Station 1c still no sendings found.

Note the headers from todays message pack Station 1a:

> Unit IDs: 0419, 0506, 1193, 1842, 2081, 2196, 2220
> Group Counts: 10, 14, 14, 11, 15, 10, 16
>
> now compare it to the message pack from 09122024:
>
> Unit IDs: 0419, 0506, 1193, 1842, 2081, 2196, 2220
> Group Counts: 11, 14, 13, 14, 16, 15, 17
>
> Interesting, isnt it?? But the message contents are different.
> And one more detecting by some search programe:
>
> //Message pack from 01122024:
> Unit IDs: 5356, 5510, 5618

Group Counts: 50, 52, 51

and the one from 01012025:

Unit IDs: 7999, 8138, 8191
Group Counts: 50, 52, 51

These 2 packs contain exactly the same messages, but different headers!

January 7th comments
Station 1a until yesterday was 18040 for 0000/30z.
Today TUE 07012025 was 19052 0000/30/0100/30z.
Station 1c not heared so far.

January 8th comments
1300/30z: slots, the frequencies from 1200/30z were used.
Station 1a: 15388 <-- OK
Station 3: 19052, should be 13974
Station 4: 20095, should be 14944

1400/30z was all OK according to sked.

January 10th comments
FRI 100125 V13 0000z 19052 started late at 0010z.
At 0030z 19052 slot it started 0037z
Then magic wonder! 0100z it started exactly to the second at: 010000/013000z!
Also observed at 1200/30/1300/30z slots!
Station 1b was carrier only at 0200z 8169, whilst it was on at 0230z 8169.
At 0300/30z slots it didnt show up at 11430, but still on 8169!
Tonights observation: Signals on 19052 Station 1a fair, whilst 15890 (3) and 15388 (4) are weak.

January 11th comments
V13 SAT 110125 Station 2 carrier only at 0200/30z 8300. Sent correctly at 0300/30z 9276
V13 station 1a still exactly starting now at XX:00:00 or XX:30:00 after the clock was adjusted.

15890 kHz, 12-01, 0000 UTC. New Star Broadcasting. Station 3
Unit IDs: 7315, 7562, 9992
Group Counts: 35, 33, 30

9122 6868 5356 8926 7967 6347 7888 8164 6502 4904
4069 4898 5281 0212 9921 6242 8953 4554 3812 3428
3920 9300 9649 5202 8749 2678 3172 9502 3602 2485
3518 1515 6873 5540 9185

1100 5203 1707 8305 1021 8869 5275 8423 5528 1543
5594 1683 4714 6261 0684 6058 1336 3115 7668 7304
6158 2709 9542 2739 3099 1355 4411 8439 4585 3422
1107 8679 8556

6699 5520 4306 7321 0229 9817 4145 2345 5371 8262
1112 4524 1566 8226 4491 6613 0210 9418 2479 7347
2135 0721 1764 2657 2448 5932 6888 1567 6520 3926

20025 kHz, 12-01, 0100 UTC. New Star Broadcasting. Station 4
Unit IDs: 3781, 4586, 9508
Group Counts: 34, 30, 30

1555 5051 9868 5290 4113 6923 1554 1561 1203 0163
3599 2585 5583 0341 9463 2333 9681 7163 2512 0775
0740 9267 8574 8943 7568 4356 1551 4400 2315 0799
4449 3360 4026 7886

8276 7512 9938 1593 3570 4596 0492 5367 7120 0659

4869 3867 5043 0637 1019 5209 0423 9201 6010 0660
0975 9470 2948 7613 4754 8419 2418 6262 4795 4057

7511 7599 0627 5620 0902 2703 6344 4439 4414 9504
3216 0302 9884 8813 0575 3011 8111 8006 3547 8627
8664 1740 2598 5277 6576 8999 2673 7873 6789 2458

20095 kHz, 12-01, 1000 UTC. New Star Broadcasting. Station 5
Unit IDs: 6134, 6590, 7458
Group Counts: 34, 35, 34

8434 7208 0326 2026 1808 4029 3313 5829 4747 4287
7662 7458 4968 5467 9886 6007 4182 0769 3663 3644
7352 2570 2862 6772 6479 1019 7688 5382 2490 3523
5049 3553 9534 1041

8907 1513 5313 6266 9224 7319 6987 2213 7548 0195
6625 2663 2306 1436 2735 1992 3399 9281 5465 4486
1941 9479 6686 2640 1003 3245 4411 2526 0688 9520
0425 2452 9284 5140 9207

0681 5295 4538 1076 3853 1167 8880 7440 8983 2254
3919 3458 5198 9278 2031 8154 9682 7155 2504 7406
4043 9387 6535 2341 6959 1687 0484 9728 8951 3609
8680 2546 3006 4106

General remarks:
-no further simulcast since MON 130125
-station 1a has "atomic" time precision, starting xx:00:00 and xx:30:00!
-normally 19052 carrier goes off after transmission, but this time it remains on after the 0000/30/0100z transmission, after 0130z it went off after 4 seconds.
Carriers on 20095 and 8169 remain on for many hours per day, with nothing to send.

8169 kHz, 12-01, 0230 UTC. New Star Broadcasting. Station 1
Unit IDs: 1727, 4659, 7868
Group Counts: 30, 33, 31

2500 6843 0740 5060 7967 7719 8470 8411 5029 6974
9937 9319 9008 6658 0702 8692 3203 3642 1901 3121
5303 3768 0511 8800 1897 8566 2656 0636 8002 0452

4555 6589 0547 5163 5315 9768 4662 5427 2305 4855
9964 2950 4161 5420 3653 5953 0880 0167 2382 8116
0551 7368 4728 7113 2443 3606 2583 7135 2164 5771
4223 5917 6044

2986 4693 6187 5770 6138 2461 0099 0218 2478 4112
4781 0649 2392 4460 1099 3024 6709 6987 2143 2518
9037 6457 7639 8266 6232 4124 1345 3925 9554 6493
6724

Note: someone was sending Morse code over the broadcast on the same frequency. My guess is a pirate or ham radio operator.

9276 kHz, 12-01, 0300 UTC. New Star Broadcasting. Station 2
Unit IDs: 2561, 7027, 9997
Group Counts: 32, 30, 30

9717 3014 7888 4396 2924 8074 3010 2646 6574 8402
9956 0670 5204 8524 4145 4271 3815 6231 2708 5169
7977 5529 8089 0261 9004 3613 5780 7808 3963 5198
4293 9439

2912 7931 3751 7324 4909 2302 2220 3839 0146 3230

2787 2184 5973 0478 8837 4221 3035 5713 5884 0566
3316 1758 4383 4739 4899 7760 7155 5712 4549 9878

8391 1690 3617 3178 0186 2315 3802 6369 4340 6338
0307 3331 8382 0326 2523 0833 9862 4973 4878 0223
9064 9076 0032 0644 5117 5353 7372 1085 1361 9137

20025 kHz, 12-01, 0130 UTC. New Stat Broadcasting. Station 4
Unit IDs: 3781, 4586, 9508
Group Counts: 34, 30, 30

1555 5051 9868 5290 4113 6923 1554 1561 1203 0163
3599 2585 5583 0341 9463 2333 9681 7163 2512 0775
0740 9267 8574 8943 7568 4356 1551 4400 2315 0799
4449 3360 4026 7886

8276 7512 9938 1593 3570 4596 0492 5367 7120 0659
4869 3867 5043 0637 1019 5209 0423 9201 6010 0660
0975 9470 2948 7613 4754 8419 2418 6262 4795 4057

7511 7599 0627 5620 0902 2703 6344 4439 4414 9504
3216 0302 9884 8813 0575 3011 8111 8006 3547 8627
8664 1740 2598 5277 6576 8999 2673 7873 6789 2458

19052 kHz, 13-01, 0000 UTC. New Star Broadcasting. Station 1(a)
Unit IDs: 2309, 2515, 2828, 2987
Group counts: 40, 41, 46, 49

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936

2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803 0763 0597
1065 7954 8058 3815 6119 4367 7407 4938 3412 8187
8169 1413 0934 0671 0602 1938 6728 2274 5702 2544
3658 8370 3145 3148 6563 6921

3186 4786 2964 7666 7404 5519 7235 4116 5420 5957
8804 6688 1123 4716 4036 1147 0538 5485 6733 0807
9216 8386 6813 9269 2772 7008 7344 4999 6637 1582
2299 9464 3648 1266 9868 3062 0544 1019 8666 5543
6970 1006 6687 0165 3098 9042 5351 3270 4423

//NOTE!! same message pack as on 30-12-2024 but:
Unit IDs: 7436, 7658, 7666, 7802
Group counts: 40, 41, 46, 49

On 29-09-2024 V13 sent to Unit 2515 Group 20, Unit 2828 Group 29, Unit 2987 Group 20, Unit 3088 Group 29, Unit 3252 Group 20 and Unit 3676 Group 20. Note the unit id’s !

13-01 Station 1c
NIL

19052 kHz, 15-01, 0030 UTC, AM. New Star Broadcasting. Station 1
Unit IDs: 2309, 2515, 2828, 2987
Group Counts: 40, 41, 46, 49

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936

2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803 0763 0597
1065 7954 8058 3815 6119 4367 7407 4938 3412 8187
8169 1413 0934 0671 0602 1938 6728 2274 5702 2544
3658 8370 3145 3148 6563 6921

3186 4786 2964 7666 7404 5519 7235 4116 5420 5957
8804 6688 1123 4716 4036 1147 0538 5485 6733 0807
9216 8386 6813 9269 2772 7008 7344 4999 6637 1582
2299 9464 3648 1266 9868 3062 0544 1019 8666 5543
6970 1006 6687 0165 3098 9042 5351 3270 4423

15890 kHz, 19-01, 0000 UTC. New Star Broadcasting. Station 3
Unit IDs: 1006, 9452, 9934
Group Counts: 33, 30, 30

9375 6370 6229 0636 2427 5542 7024 5745 4410 1853
6228 9287 6610 8898 5373 9078 0949 2869 7338 7166
7619 5217 9853 6046 5188 8768 9212 3120 6272 6971
2350 4723 9633

5663 3174 3306 2756 0364 6051 4770 4869 6249 9590
5965 8646 8303 4674 5953 7527 9761 2950 5100 7540
2711 1037 6726 2137 8608 0562 2815 9824 2895 3017

9036 3734 2584 4207 0356 4236 7494 5692 1038 0933
7042 2257 8178 5590 9692 4595 7817 4043 1270 6722
9793 3109 5126 7457 3171 7498 4168 5645 5162 5388

January 16th comments
0200/30z 8300 no Station 2, not even a carrier
1300/30z 14944 no Station 1a, no carrier
16-01 and 17-01: 0200/30z 8300 no show, no carrier, observed: carrier 18040 from station 3 remained on.
Also last 3 days station 1a carrier 19052 after 0130z sending dont switch off.

January 18th comments
Station 1a 0000/30/0100z 19052 no show no carrier!
Station 1a 0130z 19052 after sending, carrier went off as usual!
Station 3 carrier remained on 18040, but then at 0210z: carrier 18040 off, 8300 on!!!!!!!!! And voila - station 2 started to send 10 mins late!
Carrier on 8169 allways switched on around 2330z! But no show of station 1c on 0000/0100/1200/1300z still.

19052 kHz, 20-01, 0100 UTC. New Star Broadcasting. Station 1(a)
14944 kHz, 20-01, 1330 UTC. New Star Broadcasting. Station 1(a)
Unit IDs: 3088, 3252, 3676, 3698, 3745
Group Counts: 30, 31, 38, 30, 32

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820

4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817

8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952

5099 5732 9530 6847 3386 0076 7052 9888 7739 7494
1976 1436 9135 7841 5892 8646 6893 2878 0936 6288
2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803

0597 1065 7954 8058 3815 6119 4367 7407 4938 3412
8187 8169 1413 0934 0671 0602 1938 6728 2274 5702
2544 3658 8370 3145 3148 6563 6921 9029 3186 4786

7666 7404 5519 7235 4116 5420 5957 8804 6688 1123
4716 4036 1147 0538 5485 6733 0807 9216 8386 6813
9269 2772 7008 7344 4999 6637 1582 2299 9464 3648
1266 9868

These were the exact same messages as on 17-10-2024

January 19/20th comments
Station 1a was absent on SUN 190125 0000-0130z all slots. The last weeks message pack was only on air at 1200-1330z slots. MON 20012025 0000/0030z also no show, also not at 1300z

8169 kHz, 19-01, 0200 UTC. New Star Broadcasting. Station 1(b)
Unit IDs: 6530, 7259, 8480
Group Counts: 35, 33, 35

5916 4857 8258 7902 0230 9261 4934 5322 9980 5168
7837 9421 9530 6151 2619 1964 1597 4526 3656 7554
6046 4551 7245 3420 8549 6133 9245 2556 7268 8482
8262 5225 3448 5285 1718

9127 6814 9469 6351 5625 4654 6069 6402 4697 2540
7094 2243 4958 0113 5869 3909 4434 9906 7337 6945
1473 7300 5990 6080 0698 3233 5325 5143 5730 5234
3357 4622 9938

6236 3388 0163 2843 1970 4829 3174 9413 7862 9834
3724 7563 2860 8642 0629 7088 0410 1742 2103 9106
4225 2447 9375 3673 9663 3796 3239 7548 3775 1789
1011 9626 7170 3622 2955

19-01 Station 1c
NIL

8300 kHz, 19-01, 0200 UTC. New Star Broadcasting. Station 2
Unit IDs: 6118, 7462, 8087
Group Counts: 30, 34, 34

1359 6391 1023 0492 3827 8740 7356 2520 6080 9951
6882 4755 2736 2091 4337 8888 6004 3096 7038 3305
1554 9229 5143 8456 8181 1401 9422 7378 8874 8434

5786 3507 7524 5476 1117 2133 3386 3700 1705 3703
4168 8041 5872 4793 7598 4953 5918 0181 3126 2336
4109 6313 1068 3501 8465 3215 9034 8636 7708 4946
6121 0980 2034 3393

1502 6543 3316 3419 7934 9428 3984 9742 3465 6469
6045 1785 5138 7930 9317 0875 1614 1021 8097 6857
5735 6941 2106 7002 5755 6198 1497 4647 9440 7079
4532 7568 0602 9437

15890 kHz, 19-01, 0000 UTC. New Star Broadcasting. Station 3
Unit IDs: 1006, 9452, 9934
Group Counts: 33, 30, 30

9375 6370 6229 0636 2427 5542 7024 5745 4410 1853
6228 9287 6610 8898 5373 9078 0949 2869 7338 7166
7619 5217 9853 6046 5188 8768 9212 3120 6272 6971
2350 4723 9633

5663 3174 3306 2756 0364 6051 4770 4869 6249 9590
5965 8646 8303 4674 5953 7527 9761 2950 5100 7540
2711 1037 6726 2137 8608 0562 2815 9824 2895 3017

9036 3734 2584 4207 0356 4236 7494 5692 1038 0933
7042 2257 8178 5590 9692 4595 7817 4043 1270 6722
9793 3109 5126 7457 3171 7498 4168 5645 5162 5388

20095 kHz, 19-01, 1000 UTC. New Star Broadcasting. Station 5
Unit IDs: 1644, 2803, 9833
Group Counts: 34, 30, 33

6910 4560 0119 5698 8411 9737 8675 7364 0788 5912
4442 4618 3622 8118 6070 7968 2455 5490 4250 0447
8103 9107 7439 0840 9364 5375 0684 6980 3711 8592
4844 5248 0853 1172

7430 8185 7103 1091 2345 4881 0095 5972 7861 9505
8172 4727 8357 4077 7157 6747 8149 8853 9928 1493
6163 6525 4817 0117 8698 9257 9563 6542 4939 3356

7067 6971 7418 3292 9298 8126 9910 0063 1722 2407
7897 1645 0505 7225 1985 4469 7681 1349 6295 5662
9681 7647 2779 1004 0856 0995 2231 4024 9472 0905
7581 4485 3080

20025 kHz, 19-01, 0130 UTC. New Star Broadcasting. Station 4
unit IDs: 1771, 4790, 6818
Group Counts: 30, 32, 35

6888 7436 5082 3374 2873 0859 4151 5390 5080 2850
1490 6523 9433 7048 1230 0300 7096 1403 9026 9782
3321 6578 2361 4084 1932 1280 0804 9884 6631 4410

8740 5525 2509 1566 0450 6836 8401 5481 6323 1207
4865 6709 2183 4230 9113 1008 5209 1310 0772 9084
8976 2059 3740 5527 4568 1549 7434 8201 4653 6284
7227 5794

0433 0103 2661 5229 1986 8479 8578 4487 6292 6993
0968 6717 5157 6623 4579 0944 7837 4125 9598 1362
0015 1153 0531 7347 2690 2698 5153 8545 0087 7997
1720 1185 5727 8322 1575

8169 kHz, 21-01, 0130 UTC. New Star Broadcasting. Station 1
Unit IDs: 6530, 7259, 8480
Group Counts: 35, 33, 35

5916 4857 8258 7902 0230 9261 4934 5322 7780 5168

7837 9421 9530 6151 2619 1964 1597 4526 3656 7554
6046 4551 7245 3420 8549 6133 9245 2556 7268 8482
8262 5225 3448 5285 1718

9127 6814 9469 6351 5625 4654 6069 6402 4697 2540
7094 2243 4758 0113 5869 3909 4434 9906 7337 0945
1473 7300 5990 6080 0698 3233 5325 5143 5730 5234
3357 4622 7738

6236 3388 0163 2843 1970 4829 3174 9413 7862 9834
3724 7563 2860 8642 0629 7088 0410 1742 2103 9106
4225 2447 9375 3673 9663 4796 3239 7548 3775 1789
1011 9626 7170 3622 2955

9276 kHz, 21-01, 0330 UTC. New Star Broadcasting. Station 2
Unit IDs: 6118, 7462, 8087
Group Counts: 30, 34, 34

1359 6391 1023 0492 3827 8740 7356 2520 6080 9951
6882 4755 2736 2091 4337 8888 6004 3096 7038 3305
1554 9229 5143 8456 8181 1401 9422 7378 8874 8434

5786 3507 7524 5476 1117 2133 3386 3700 1705 3703
4168 8041 5872 4793 7598 4953 5918 0181 3126 2336
4109 6313 1068 3501 8465 3215 9034 8636 7708 4946
6121 0980 2034 3393

1502 6543 3316 3419 7934 9428 3984 9742 3465 6469
6045 1785 5138 7930 9317 0875 1614 1021 8097 6857
5735 6941 2106 7002 5755 6198 1497 4647 9440 7079
4532 7568 0602 9437

8169 kHz, 26-01, 0200 UTC. New Star Broadcasting. Station 1(b)
Unit IDs: 0526, 7569, 8889
Group Counts: 33, 32, 31

4988 5564 9133 5152 5253 6053 5319 6177 5351 6917
9177 4813 0434 8059 8747 4127 1717 6060 8872 6489
8358 0414 6188 0402 8013 9416 5863 9268 2971 5562
3672 0639 8696

3148 5915 8830 0605 6783 9042 7425 6963 7886 9869
1751 4207 8580 9362 5461 8650 9734 1108 1567 9942
0022 6065 0779 6478 4762 4949 7772 5743 2033 0138
2215 6299

7002 6193 0766 2705 0890 4992 5237 9123 2733 1924
6607 0826 0601 5837 0573 6664 9984 4117 9522 3759
2726 5718 9015 8343 9309 0790 8784 2656 0926 8635
8258

26-01 Station 1c
NIL

8300 kHz, 26-01, 0200 UTC. New Star Broadcasting. Station 2
Unit IDs: 7601, 7684, 9661
Group Counts: 33, 31, 31

0249 7345 3698 0996 8432 1563 8672 6495 0736 6141
8682 4189 1443 4865 1472 0360 8797 4083 7637 9659
0963 1112 6261 9328 5074 7917 9058 8781 8323 4646
3032 5281 6656

8810 2599 0291 9098 5842 5779 3895 5283 0891 2845
3389 4773 4730 5883 5923 8686 1383 1076 7193 5745
5124 4062 7500 5673 6487 1790 2954 6018 3361 6262
4223

1951 2465 2428 7012 0782 9874 5075 1075 1893 8939
0371 2712 8910 5813 6293 2645 5156 4416 9741 3954
6257 7940 6144 9935 2758 2026 1233 0897 0648 2699
5803

15890 kHz, 26-01, 0000 UTC. New Star Broadcasting. Station 3
Unit IDs: 3541, 8420, 9463
Group Counts: 31, 32, 32

9253 2761 1645 1576 8614 8371 2289 6884 9340 8229
1282 1105 6479 9538 5868 5489 2745 9432 5036 7973
0984 8095 9944 1570 2085 3921 1170 1220 3445 2643
1145

8018 3337 7115 7199 3615 7431 1854 6574 7605 7908
8013 2308 8645 4038 6620 2050 1581 1182 2108 3879
9663 4459 8608 8312 6550 3279 8061 6889 2531 5183
1226 3869

3406 6203 0861 4199 9289 0362 6134 4790 3622 5151
8301 3595 1281 7733 5658 8432 4942 9176 0805 4256
0167 8639 8023 2734 3907 4978 6179 4829 2955 8476
1385 6545
Note: intro music lagged at the beginning again.

20025 kHz, 26-01, 0100 UTC. New Star Broadcasting. Station 4
Unit IDs: 1842, 8597, 9145
Group Counts: 31, 35, 32

4424 0753 3970 8782 4567 1756 6652 3136 3760 3090
2556 2298 5870 7096 2554 3810 8870 6396 1528 8425
8214 2261 8824 3910 5568 7692 0931 7361 5779 1952
7650

2684 0633 6121 8768 6673 0523 7510 2392 3567 6976
1307 7236 5445 9030 7880 8395 4685 2776 4552 6455
8468 5386 5767 9723 0984 9711 6767 2432 1405 1572
5543 8510 5553 2926 4676

0191 7806 5701 6806 5085 6807 9106 2901 2599 2443
3437 1287 3068 8700 3989 1638 0033 4848 3286 7623
5921 3960 1540 7549 4549 8637 2225 7238 3114 8121
6463 2140

20095 kHz, 26-01, 0100 UTC. New Star Broadcasting. Station 5
Unit IDs: 3374, 4131, 6884
Group Counts: 32, 35, 35

0354 5427 5675 8708 2254 6557 9865 4770 9044 8597
6690 5479 0470 5108 6014 0946 1396 0478 2758 5027
3541 0201 2494 2544 6964 5684 4336 2615 8038 3392
1671 7598

2719 5270 4640 5012 5689 3188 1881 4169 5727 9912
2120 7585 1387 8586 5304 9149 8467 3465 0025 8954
0257 7896 8454 7445 2981 6994 1556 0838 6656 8222
0092 1717 7003 3430 3311

7268 0374 3404 8838 2222 3024 2636 3022 1843 3945
7592 9998 4013 5460 4460 9587 5103 1330 4822 2573
7365 9669 2397 9986 2060 0666 6848 0188 4709 1674
4910 9978 6896 9232 4807

9052 kHz, 27-01, 0000 UTC. New Star Broadcasting. Station 1(a)
Unit IDs: 3935, 3990, 4037, 4082, 4218, 4270, 4667
Group Counts: 10, 14, 14, 11, 15, 10, 16

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820

0705 8407 0597 2932 9171 3678 7745 3278 6976 8440
7179 3066 1626 3294

2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810

9553 6439 9982 2437 6760 2956 0858 7722 4952 8815
5099 5732 9530 6847 3386

7052 9888 7739 7494 1976 1436 9135 7841 5892 8646

2878 0936 6288 2799 8770 1612 2731 5436 9606 1743
1570 2680 1774 5767 4981 2851

VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

9470 kHz, 11-01, 0327 UTC, USB Traffic with weird glitches and beeps
5341 kHz, 13-01, 1229 UTC, LSB

VC03 - Chinese Air Defense

7703 kHz, 13-01, 1234 UTC, USB, in progress.
Chinese Air Defense. **M**ale and **F**emale operator exchanging data. “74” was said at the end of a sentence while the other side answers with “26”. We therefore assume that “74” means "Do you copy?" and “26” is the confirmation. Or something similar.

Transmission in progress:
M: 2814

F: 26
12 3114 4042 44 1226 4631 98 0113 2030 27 5917 54 5483 2529 2126
8002 1926 8004 1713 8001 2715 8003 3216 8003 3519 8001 2126 8002 1415
8004 1713 8001 2715 8003 7011 3620 8004 3420 8003 3123 8001 1941
8004 1818 8003 2570
74

M: 26
91 2035

F: 26
10 3124
74

M: 26 12 81 14 2816
74

F: 26

M: 12 81 14 4042 44 65 52

MORSE STATIONS

M01

4490 kHz, 02-01, 2000 UTC
197 418 418 30 30 = =
83746 19283 84756 72635 39485 10293 49587 82736 47582 94857
01928 37465 81726 47589 98273 64758 92039 84756 72635 87364
83746 82736 84756 19283 01928 76453 48755 93847 91827 38475
4718 418 30 30 000

5810 kHz, 04-01, 1500 UTC. Errors in groups 26-30
197 719 719 30 30 = =
45301 30931 13241 09176 40931 20916 19724 11094 30937 41761
65721 30917 20164 17643 11094 23465 13376 30916 17492 17636
23736 30953 27633 39347 16524 15217625 1762 27154 13726 13251 125139317 9317
= = 719 719 30 30 000

5465 kHz, 05-01, 0700 UTC
197 162 162 30 30 = =
54639 40938 39847 13151 10487 33091 60387 15261 20918 39018
83101 31426 20187 10338 30947 49503 11094 66047 40917 17648
20937 38716 29917 16527 98473 29487 16527 80631 20910 19584
= = 162 162 30 30 000

4490 kHz, 07-01, 2000 UTC
197 808 808 30 30
80808 34299 10293 75432 85492 39284 19230 85430 82367 86759
38274 23489 10239 75643 83721 86549 20394 75634 86590 74325
57483 89023 86754 83249 94382 88543 94830 83212 84732 86533
808 808 30 30 000

5810 kHz, 11-01, 1500 UTC
197 101 101 30 30
01478 52369 95431 95403 58340 83215 59483 10901 57439 59483
00930 37281 66684 19382 67390 37182 29318 50394 18329 81743
38429 84320 82101 42338 48329 19328 59430 18732 03928 71934
101 101 30 30 000

5465 kHz, 12-01, 0700 UTC
197 707 707 30 30 = =
30943 10909 43533 43394 29331 35950 19438 47109 23312 39534
43296 19343 29932 13912 13939 00321 57432 59219 53401 43329
33019 95337 77431 04356 70943 20394 54339 19334 67540 31967
= = 707 707 30 30 000

5320 kHz, 14-01, 1800 UTC
197 355 355 30 30 = =
82736 74658 82730 28274 81928 40394 82733 82739 10293 47623
74827 38476 28374 92019 74625 36478 72635 81726 39047 27364
18273 49283 47263 48590 26354 72837 49283 48592 83702 73548
= = 355 355 30 30 000

4490 kHz, 14-01, 2000 UTC
197 215 215 30 30 = =
82736 47829 38476 27364 72635 47890 29381 33294 83746 29037
17263 84928 37480 29387 63049 82739 74652 37482 98177 39283
84720 93898 47263 47263 48293 18274 92836 48028 38293 10290
= = 215 215 30 30 000

5320 kHz, 16-01, 1800 UJTC
197 340 340 30 30 = =
34657 12341 56743 37571 91343 54761 13241 75364 43125 76354
56738 36547 12337 47623 37691 46573 67354 46712 12768 57691
65712 32145 67312 45387 56742 56743 56743 36754 36754 98873
= = 340 340 30 30 000

5810 kHz, 18-01, 1500 UTC
197 859 859 30 30 = =
82749 82736 19264 57829 37481 29300 72634 81726 37489 28376
81920 39487 72637 92837 74652 37462 83749 27364 81726 37489
91029 38274 62738 92837 47265 36478 39283 72648 91820 93847
= = 859 859 30 30 000

5320 kHz, 21-01, 1800 UTC
197 476 476 30 30 = =
67895 17263 47381 38975 47361 38274 89057 58371 47382 5?493
67109 48275 34812 57463 68904 67284 64821 44821 68909 57483
28174 78895 78371 37234 47193 57194 58371 39281 57463 18572
= = 476 476 30 30 000

5320 kHz, 23-01, 1800 UTC. Very poor signal
197 134 134 30 30 = =
87461 48901 47261 38174 58795 17263 47183 47580 68984 37182
78985 17263 461__ __38_ 7_461 432__ 48398 47183 481__ _____
46182 67895 68_90 _____ _____ _____ _____ 57412 _____ _____
134 134 30 30 000

4490 kHz, 23-01, 2000 UTC
197 897 897 30 30 = =
58472 19853 28173 27182 69872 37162 89764 37162 58746 57621
57182 38491 28347 11789 31821 48937 47132 78392 47182 37123
89765 47331 47341 48731 88746 37182 58671 38927 58731 48712
= = 897 897 30 30 000

5810 kHz, 25-01, 1500 UTC. A mess after group 21
197 192 192 30 30 = =
19234 58192 38194 28471 49087 58871 27364 58198 47184 67832
57649 17263 57481 47382 57391 39828 58903 47162 37482 48175
38194 5481 54137481 374 4897548975 47382 47381 48936 57483
5748 5749 57491 48392 49
= = 192 192 30 30 000

5320 kHz, 28-01, 1800 UTC
197 456 456 30 30
49032 48392 10098 48820 44304 58821 34906 60192 48373 51092
58493 48329 30199 34728 85049 18210 85347 00938 47320 28193
43829 48327 58439 11820 65039 48395 29305 67303 17439 84377
456 456 30 30 000

5320 kHz, 30-01, 1800 UTC
197 832 832 30 30 = =
47536 12036 32541 75633 23567 76345 32860 65733 32564 43397
53632 74365 57634 32576 32120 12095 34564 45372 84756 25423
34675 56473 31464 36393 67634 32634 56735 12093 56721 56334
= = 832 832 30 30 000

4490 kHz, 30-01, 2000 UTC
197 312 312 30 30 = =
37645 64533 23935 43657 12375 43212 65743 76823 56743 76844
54621 93705 78903 90321 67535 56743 87120 65734 45362 22367
56473 76343 56473 93451 67042 65733 15643 13954 65574 65344
= = 312 12 30 30000

M12

11435/10598/9327 kHz, 1800/1820/1840 UTC

11435/10598/9327 kHz, 02-01, 1900/1820/1840 UTC
938 938 938 1 9070 82 9070 82
46845 74713 36473 12856 64187 45787 15767 06580 85523 01297
15055 56953 73197 25822 55679 51631 16667 85433 79348 17422
11535 58979 44536 92910 30815 04586 60760 31992 08069 46046
88666 19935 88116 44783 14380 34819 47832 20455 27020 40610
18403 24441 39137 76616 93736 62090 92784 97366 53161 44046
93873 93015 30938 47865 61721 87965 30177 43562 82040 59601
85017 83773 98510 39476 12630 95118 68836 ?8513 11441 208S0
03799 96211 58413 38737 99017 87093 19841 67918 99172 68723
11800 63401 000 000

11435/10598/9327 kHz, 09-01, 1900/1820/1840 UTC
938 938 938 1 2729 76 2729 76
51803 30257 50338 41496 32982 66129 20944 42749 80758 96153
91548 02345 36258 80789 68329 01674 91682 79183 40750 00920
28741 19605 57500 23869 23034 13816 94337 02335 06402 85943
12819 24715 87564 83760 46715 31154 80932 92265 69670 70432
72482 32895 54499 91386 55569 00021 34127 44379 48979 56626
11701 86936 82567 18460 90352 32197 72756 26468 18461 19166
71790 18608 36347 94814 83333 66833 14779 52497 34074 37175
20740 99415 09512 70316 28436 95845
000 000

11435/10598/9327 kHz, 16-01, 1900/1820/1840 UTC
Too weak to copy

11435/10598/9327 kHz, 23-01, 1900/1820/1840 UTC
938 938 938 1 8910 80 8910 80
31823 08161 18052 57570 79826 82066 80218 68623 89007 22713
49294 22450 00064 67905 38911 26994 57736 07068 25281 49735
73912 27893 15491 25018 56752 69272 06156 05929 67129 16484
52966 44970 31281 21205 24632 17665 37616 28721 90068 14104
59971 35553 11213 61576 30586 23995 70582 93124 66609 28040
75841 04652 59595 29377 78040 03930 92669 93032 00817 10554
75909 74268 01494 72523 69745 04313 91168 78858 43272 21246
89377 29015 16999 11177 89762 38359 16680 53813 94430 32757
000 000

11435/10598/9327 kHz, 30-01, 1900/1820/1840 UTC
938 938 938 1 4521 80 4521 80
33729 92660 87943 75868 27387 74397 77567 09712 64953 31393
62497 54199 33494 67658 50565 71851 53121 45176 12579 07607
98065 23270 36542 15016 37289 57921 48220 07281 74999 79702
48857 86179 49495 36400 03218 64690 87643 42873 58034 20193
59488 79354 00985 74822 91897 44150 26434 42588 36613 24127
15298 50382 55315 32230 57452 10458 56118 72927 38569 59454
26177 70285 34721 85249 82535 76317 04703 97093 64439 85874
84207 10247 87143 92385 48117 18709 22285 61719 23118 93147
000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 07-01, 1100/1120/1140 UTC
289 289 289 1 1181 63 1181 63
79591 17771 58732 11183 05464 39138 35900 76033 19330 32401
44949 47236 72407 32937 44691 21217 63362 77440 41916 12254
71670 97553 69952 66510 37776 47828 27152 99816 72381 99540
74767 85435 60753 28262 77952 41976 32317 50867 86933 63104
86410 54677 14205 37013 87741 96599 27251 29401 91082 98315
72116 17020 62107 58014 14009 82036 47818 92220 73406 57635
11986 47082 03652 000 000

11519/12194/13407 kHz, 14-01, 1100/1120/1140 UTC
289 289 289 1 5920 60 5920 60
19328 77951 41902 17238 31073 45921 48308 33037 48507 61963
97047 23665 88972 46386 31219 71837 16959 15476 49687 87119
27655 97853 59060 54176 97594 91805 68347 01751 51434 74044
54056 56001 10335 43174 29285 15614 59216 79890 96387 05282
55590 08777 18995 38506 19485 35798 77227 61234 10679 52956
58902 70567 00632 17711 27026 21474 18891 87724 19643 39267
000 000

11519/12194/13407 kHz, 21-01, 1100/1120/1140 UTC
289 289 289 1 6701 61 6701 61
66661 50194 67795 57481 37504 83264 84808 60171 60166 65865
48726 43744 06622 66375 15775 70258 60092 60715 08193 02852
95471 10357 04913 05021 16216 91898 78295 60463 08562 94388
29089 11088 84098 96022 41573 95092 91752 47039 79293 78294
76540 22108 37210 05755 99809 49324 39951 65142 73810 00257
24252 53301 15404 25556 67882 56304 45280 62773 41264 45604
05327 000 000

11519/12194/13407 kHz, 28-01, 1100/1120/1140 UTC
289 289 289 1 4808 55 4808 55
54011 46642 70146 83502 33374 20668 34254 34058 57288 25534
23423 27701 65751 72069 75351 77517 01054 51253 64687 38755
99471 91790 29092 89226 04423 63426 83225 73775 14614 78816
52070 54144 41785 06360 44516 57014 44851 80967 30502 58626
12547 68477 93197 13217 08238 58716 78077 40090 65242 95143
11984 24736 15987 30125 06994 000 000

6782/5882/5182 kHz, 2000/2020/2040 UTC

6782/5882/5182 kHz, 08-01/10-01/15-01/17-01, 2000/2020/2040 UTC
781 781 781 1 5102 90 5102 90
02217 31374 71141 92696 27709 16635 76443 26276 88747 81803
10602 34931 22927 33162 23864 59588 36662 01539 81101 16417
79722 49486 71376 61132 78106 55283 10362 27078 11480 48109
91452 35607 63258 80187 36447 05114 62395 85812 69348 49134
48748 23939 94863 62204 96176 88387 85686 89554 81889 52909
01275 78396 16772 82991 05019 18130 86334 02564 06649 31423
73128 05235 69941 34788 88050 86241 07090 53836 24253 91834
05560 52359 14178 86221 45185 57269 62118 97173 48248 40238
95940 75511 19873 98536 43684 46031 22826 71789 64364 39734
000 000

6782/5882/5182 kHz, 29-01/31-01, 2000/2020/2040 UTC
781 781 781 1 543 43 543 43
68802 77479 59992 07849 57051 37355 87363 67267 02412 94193
26679 92251 25580 47519 07078 17508 13225 69630 14400 48216
71676 75982 39177 36452 67883 04700 13651 05571 46184 26067
77952 62940 12200 49414 05385 91784 22558 79173 82477 31058
29569 53814 17532 000 000

5778/6778/8178 kHz, 17-01/18-01/24-01/25-01, 2200/2220/2240 UTC
771 771 771 1 8269 156 8269 156
90856 88989 29797 94016 36345 28778 33515 00179 84499 28445
43928 99842 80559 26430 45885 22706 91353 60175 07485 23058
12880 59307 34422 20812 66971 43232 81819 67132 29575 67260
38111 04489 24881 82152 46463 26041 92875 38305 00438 17676
30638 97660 89133 81344 50009 13173 84448 33433 70304 44892
79544 15064 04995 41072 22054 24715 29157 22979 08349 91181
71699 29972 95096 42241 92192 42487 18459 24504 79457 39533
60398 67427 10786 09600 50754 96997 28728 66384 51841 93788
45289 43964 68877 01609 71174 40459 69520 19636 83989 54317
11215 17643 51115 12757 37933 05037 70877 87979 53023 83830
24751 25250 17320 49135 45213 78901 31542 00723 23997 00372
58203 41906 51647 18056 37981 78657 38819 89966 00917 91976
54173 65810 88286 46509 64323 42993 30661 64999 51428 75300
84947 03477 78299 86887 44812 25829 51763 45287 15961 48315
51292 69232 77280 47414 47986 41683 37926 52332 24380 40484
27371 69694 31830 59740 65656 79697 000 000

5778/6778/8178 kHz, 31-01, 2200/2220/2240 UTC
771 771 771 1 711 201 711 201
73958 75504 05322 45850 90188 36926 05238 43049 01865 23289
37660 78092 60568 30148 04485 71381 26996 73611 78782 97900
77490 75744 83424 46499 37502 77579 10903 39984 15609 63304
08747 43774 23182 33777 28781 11456 35665 65169 35255 15719
78258 42849 87400 93554 33792 10062 66426 54731 07779 48988
18504 20987 04894 29332 96606 65072 78020 61662 57436 59092
02080 31530 52499 80920 83171 33015 32142 67599 77267 54490
55166 95476 98221 39875 11996 65531 33473 86466 47981 35972
41694 43396 13739 35603 85534 74258 11384 09104 64768 53090
91055 35280 88878 71300 28180 32337 39797 05466 98699 08011
78507 51220 04534 81086 12699 69445 50510 42908 76578 17228
68289 49614 13265 26079 96835 39368 68583 67181 61556 77908
47795 96434 98350 72965 51073 62631 08051 59207 05273 52522
34098 02073 67608 28037 24462 17549 80301 60109 55345 59152
46984 39786 14229 37769 86101 23812 24689 90914 72385 58997
75376 07768 29896 25014 71916 84210 97225 49984 93614 89183
47888 81198 97020 33514 02666 54417 41563 76919 60535 88450
32128 06662 43087 68918 35712 17515 64038 44690 16774 66497
73554 51787 00766 51185 21201 50433 10120 56757 78978 26175
81240 40920 36224 67493 25208 64708 38974 46369 07072 58848
71611 000 000

M14

No transmissions on 1, 2, 3, 6, 7 and 8 January

12211/10243 kHz, 09-01/10-01, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 13-01/14-01, 0500/0520 UTC
952 370 370 58 58 = =
43822 49534 81176 69480 59817 72418 49123 71667 57142 61593
60748 23691 12441 42426 28708 92912 57917 27870 52409 24586
35922 85130 20103 96069 88794 78605 92322 77785 82385 81277
27615 05599 86718 71757 36483 94313 62213 59151 74500 46966
24917 02958 10518 39615 89166 20161 30900 86293 11146 96727
65745 13836 81744 45680 48010 01255 42180 78939
= = 370 370 58 58 00000

12211/10243 kHz, 15-01/16-01, 0500/0520 UTC
952 407 407 21 21 = =
41248 27762 95153 40235 01292 85046 22270 56124 66564 61930
66235 08354 63047 87717 45519 24002 74836 01412 22794 29688
76309
= = 407 407 21 21 52
952 681 681 32 32 = =
13115 29200 51552 86750 73898 60258 44407 48110 12492 04141
78081 86117 42408 51617 97407 54893 59030 58498 50958 19838
77029 51496 14064 41463 93274 61516 49034 45258 79919 47828
19777 63531
= = 681 681 32 32 00000

12211/10243 kHz, 17-01, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 20-01/21-01, 0500/0520 UTC
952 183 183 52 52 = =
21564 25101 97138 84096 52757 90537 02430 54895 97520 13417
38221 71201 17638 66212 59628 47329 53402 69015 35255 41997
51905 99739 41940 50807 23157 43475 55306 77719 91231 16945
15789 83971 32610 29003 74849 37881 18928 63091 51046 13957
06298 92618 50661 14768 38404 65185 32557 14006 55554 16584
21970 44173 = =
183 183 52 52 00000

12211/10243 kHz, 22-01/23-01, 0500/0520 UTC
952 740 740 25 25 = =
76069 61995 56694 48522 89293 76146 24543 57905 10262 67964
02003 54521 27331 60256 83252 85021 27538 32128 58430 48107
19495 77207 23483 37562 17322
= = 740 740 25 25
952 816 816 32 32
29414 70274 55274 49292 17243 35098 83840 90754 59558 30962
30993 00169 08969 52044 98256 05688 60624 29052 88950 47475
11464 94207 76850 34217 64476 71327 00356 29458 70181 51941
86817 93470
= = 816 816 32 32 00000

12211 kHz, 24-01, 0500 UTC Unmodulated carrier until 0504 UTC. Nothing else
10243 kHz, 24-01, 0520 UTC No transmission

12211/10243 kHz, 27-01/28-01, 0500/0520 UTC
952 473 473 56 56 = =
61281 17199 20529 17238 32825 54799 28937 66284 38011 04998
23829 73039 97210 47947 72451 81121 40507 68997 51230 96080
87715 02559 83856 69548 37885 23333 16180 67465 79197 39594
01359 89587 55225 68204 93702 32439 48470 96060 74644 12917
67123 57651 59271 94725 45988 83411 56873 84829 97499 98575
83919 92112 73775 77192 52921 65440
= = 473 473 56 56 00000

12211/10243 kHz, 29-01/20-01, 0500/0520 UTC
952 618 618 25 25 = =
59638 34552 40266 81540 61226 00155 92067 36717 04181 81454
86952 31878 77712 07967 64858 03507 23202 56394 33299 84162
53407 15415 35054 59693 32322
= = 618 618 25 25
952 734 734 25 25 = =
80225 92743 69244 25134 15657 69477 98735 41424 40021 99535
58468 28613 25123 03538 34529 07039 97232 10765 37947 29976
88327 84104 73176 44766 35473
= = 734 734 25 25 00000

12211/10243 kHz, 31-01, 0500/0520 UTC
952 952 952 00000

M89 - Chinese Military

See Logs Section.

Note:
3JWV (x3) DE QSV9 replaced BSA5 DE TP4C on 3565 // 4718, 7045//6378 kHz

M95 - Chinese Military

See Logs Section.

Notes:
V WCJJ WCJJ WCJJ DE HBDD H8DD replaced V YHXD YHXD YHXD DE SAQC SAQC on 3968, 6936, 5479, 10722 kHz
V 3JWV 3JWV 3JWV DE QSV9 QSV9 Replaced C BSA5 BSA5 BSA5 DE TP4C TP4C on 3565 // 4718 7045//6378 kHz

UM04 - PROMRCh

Correction. Last month I started with the note "Not monitored on 2, 6, 7, 8, 14, 16, 19, 21, 25, 26 December" but as you can see in N&O 237 they were all there.

4735 kHz, 01-01, 0800 UTC
VVV VVV PROMRCh = 01 01 =
1000 1070 1120 1320 1900
1200 1120 1170 1360 1930
1400 1110 1160 1320 1840
1600 1060 1110 1290 1820
1800 0710 0740 0850 1190
2000 0430 0450 0520 0730
2200 0360 0370 0420 0560
0000 0390 0400 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= ABV
VVV VVV PROMRCh = 01 01 =
1000 1070 1120 1320 1900
1200 1120 1170 1360 1930
1400 1110 1160 1320 1840
1600 1060 1110 1290 1820
1800 0710 0740 0850 1190
2000 0430 0450 0520 0730
2200 0360 0370 0420 0560
0000 0390 0400 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= AR

4735 kHz, 02-01, 0800 UTC
VVV VVV PROMRCh = 02 01 =
1000 1080 1140 1330
12 EEEEEE =
1000 1080 1140 1330 1910
1200 1130 1180 1370 1940
1400 1120 1160 1330 1850
1600 1070 1120 1290 1830
1800 0730 0750 0870 1200
2000 0430 0450 0520 0730
2200 0360 0370 0420 0560
0000 0390 0400 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= ABV =
VVV VVV PROMRCh = 02 01 =
1000 0 EEEEE =
1000 1080 1140 1330 1910
1200 1130 1180 1370 1940
1400 1120 1160 1330 1850
1600 1070 1120 1290 1830
1800 0730 0750 0870 1200
2000 0430 0450 0520 0730
2200 0360 0370 0420 0560
0000 0390 0400 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= AR

4735 kHz, 03-01, 0800 UTC
VVV VVV PROMRCh = 03 01 =
1000 1100 1150 1350 1940
1200 1140 1190 1380 1960
1400 1130 1180 1340 1870
1600 1080 1130 1310 1840
1800 0760 0790 0900 1240
2000 0430 0450 0520 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= ABV
VVV VVV PROMRCh = 03 01 =
1000 1100 1150 1350 1940
1200 1140 1190 1380 1960
1400 1130 1180 1340 1870
1600 1080 1130 1310 1840
1800 0760 0790 0900 1240
2000 0430 0450 0520 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0410 0460 0640
0800 0650 0700 0840 1230
= AR

04-01 Not monitored

4735 kHz, 05-01, 0800 UTC
VVV VVV PROMRCh = 05 01 =
1000 1110 1170 1370 1960
1200 1200 1210 1400 1980
1400 1150 1190 1360 1890
1600 1100 1150 1320 1860
1800 0790 0820 0930 1280
2000 0440 0460 0530 0740
2200 0360 0370 0H20 0570
0000 0390 0400 0440 0590
0200 0410 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0650 0690 0830 1220
= ABV
VVV VVV PROMRCh = 05 01 =
1000 1110 1170 1370 1960
1200 1200 1210 1400 1980
1400 1150 1190 1360 1890
1600 1100 1150 1320 1860
1800 0790 0820 0930 1280
2000 0440 0460 0530 0740
2200 0360 0370 0H20 0570
0000 0390 0400 0440 0590
0200 0410 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0650 0690 0830 1220
= AR

4735 kHz, 06-01, 0800 UTC
VVV VVV PROMRCh = 06 01 =
1000 1120 1180 1380 1970
1200 1170 1230 1410 1990
1400 1160 1200 1370 1900
1600 1110 1160 1330 1870
1800 0800 0830 0940 1300
2000 0440 0460 0540 0760
2200 0370 0380 0430 0580
0000 0390 0400 0450 0590
0200 0400 0410 0450 0500
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0640 0690 0830 1210
= ABV
VVV VVV PROMRCh = 06 01 =
1000 1120 1180 1380 1970
1200 1170 1230 1410 1990
1400 1160 1200 1370 1900
1600 1110 1160 1330 1870
1800 0800 0830 0940 1300
2000 0440 0460 0540 0760
2200 0370 0380 0430 0580
0000 0390 0400 0450 0590
0200 0400 0410 0450 0500
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0640 0690 0830 1210
= AR

4735 kHz, 07-01, 0800 UTC
VVV VVV PROMRCh = 07 01 =
1000 1110 1170 1370 1960
1200 1170 1230 1410 2000
1400 1160 1210 1370 1900
1600 1110 1160 1330 1870
1800 0780 0820 0930 1290
2000 0440 0460 0530 0750
2200 0370 0370 0430 0570
0000 0390 0400 0450 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0640 0690 0820 1200
= ABV
VVV VVV PROMRCh = 07 01 =
1000 1110 1170 1370 1960
1200 1170 1230 1410 2000
1400 1160 1210 1370 1900
1600 1110 1160 1330 1870
1800 0780 0820 0930 1290
2000 0440 0460 0530 0750
2200 0370 0370 0430 0570
0000 0390 0400 0450 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0640 0690 0820 1200
= AR

4735 kHz, 08-01, 0800 UTC
VVV VVV PROMRCh = 08 01 =
1000 1110 1160 1360 1950
1200 1170 1230 1420 2000
1400 1160 1210 1370 1900
1600 1120 1160 1340 1880
1800 0790 0820 0930 1300
2000 0430 0450 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
06000 380 0400 0460 0630
0800 0640 0680 0820 1200
= ABV
VVV VVV PROMRCh = 08 01 =
1000 1110 1160 1360 1950
1200 1170 1230 1420 2000
1400 1160 1210 1370 1900
1600 1120 1160 1340 1880
1800 0790 0820 0930 1300
2000 0430 0450 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
06000 380 0400 0460 0630
0800 0640 0680 0820 1200
= AR

4735 kHz, 09-01, 0803 UTC
VVV VVV PROMRCh = 09 01 =
1000 1110 1170 1360 1960
1200 1180 1230 1420 2010
1400 1160 1200 1380 1910
1600 1130 1180 1350 1890
1800 0790 0830 0940 1300
2000 0440 0450 0530 0750
2000 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0630 0680 0810 1190
= ABV
VVV VVV PROMRCh = 09 01 =
1000 1110 1170 1360 1960
1200 1180 1230 1420 2010
1400 1160 1200 1380 1910
1600 1130 1180 1350 1890
1800 0790 0830 0940 1300
2000 0440 0450 0530 0750
2000 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0630 0680 0810 1190
= AR

4735 kHz, 10-01, 0800 UTC
VVV VVV PROMRCh = 10 01 =
1000 1110 1160 1360 1950
1200 1190 1240 1460 2020
1400 1160 1200 1370 1900
1600 1130 1180 1350 1890
1800 0790 0830 0940 1310
2000 0440 0460 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0470 0640
0600 0380 0400 0450 0640
0800 0630 0670 0810 1180
= ABV
VVV VVV PROMRCh = 10 01 =
1000 1110 1160 1360 1950
1200 1190 1240 1460 2020
1400 1160 1200 1370 1900
1600 1130 1180 1350 1890
1800 0790 0830 0940 1310
2000 0440 0460 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0470 0640
0600 0380 0400 0450 0640
0800 0630 0670 0810 1180
= AR

4735 kHz, 11-01, 0800 UTC
VVV VVV PROMRCh = 11 01 =
1000 1100 1160 1360 1950
1200 1180 1240 1430 2020
1400 1150 1200 1370 1910
1600 1130 1180 1360 1900
1800 0790 0830 0940 1310
2000 0440 0460 0530 0750
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
040E 0410 0420 0480 0640
0600 0380 0400 0460 0640
0800 0820 0870 0800 1180
= ABV
VVV VVV PROMRCh = 11 01 =
1000 1100 1160 1360 1950
1200 1180 1240 1430 2020
1400 1150 1200 1370 1910
1600 1130 1180 1360 1900
1800 0790 0830 0940 1310
2000 0440 0460 0530 0750
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
040E 0410 0420 0480 0640
0600 0380 0400 0460 0640
0800 0820 0870 0800 1180
= AR

4375 kHz, 12-01, 0800 UTC
VVV VVV PROMRCh = 12 01 =
1000 1100 1160 1360 1950
1200 1190 1240 1430 2020
1400 1160 1200 1360 1890
1600 1140 1190 1360 1900
1800 0800 0830 0950 1310
2000 0440 0450 0530 0750
2200 0360 0370 0420 0570
0000 0390 0400 0450 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0630 0670 0800 1180
= ABV
VVV VVV PROMRCh = 12 01 =
1000 1100 1160 1360 1950
1200 1190 1240 1430 2020
1400 1160 1200 1360 1890
1600 1140 1190 1360 1900
1800 0800 0830 0950 1310
2000 0440 0450 0530 0750
2200 0360 0370 0420 0570
0000 0390 0400 0450 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0630 0670 0800 1180
= AR

4735 kHz, 13-01, 0801 UTC
VVV VVV PROMRCh = 13 01 =
1000 1100 1160 1360 1950
1200 1190 1240 1430 2010
1400 1150 1190 1360 1880
1600 1130 1180 1350 1890
1800 0790 0830 0950 1310
2000 0430 0450 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0620 0660 0800 1180
= ABV
VVV VVV PROMRCh = 13 01 =
1000 1100 1160 1360 1950
1200 1190 1240 1430 2010
1400 1150 1190 1360 1880
1600 1130 1180 1350 1890
1800 0790 0830 0950 1310
2000 0430 0450 0530 0740
2200 0360 0370 0420 0570
0000 0390 0400 0440 0590
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0620 0660 0800 1180
= AR

4735 kHz, 14-01, 0800 UTC
VVV VVV PROMRCh = 14 01 =
1000 1090 1150 1350 1930
I200 1180 1230 1430 2010
1400 1140 1190 13E0 1870
1600 1120 1160 1330 1870
1800 0790 0830 0940 1300
2000 0440 0460 0530 0750
2200 0360 0370 0430 0580
0000 0390 0400 0450 0600
0200 0400 0410 0460 0620
0400 0410 0420 0480 0640
0600 0390 0400 0460 0640
0800 0620 0660 0790 1160
= ABV
VVV VVV PROMRCh = 14 01 =
1000 1090 1150 1350 1930
I200 1180 1230 1430 2010
1400 1140 1190 13E0 1870
1600 1120 1160 1330 1870
1800 0790 0830 0940 1300
2000 0440 0460 0530 0750
2200 0360 0370 0430 0580
0000 0390 0400 0450 0600
0200 0400 0410 0460 0620
0400 0410 0420 0480 0640
0600 0390 0400 0460 0640
0800 0620 0660 0790 1160
= AR

4735 kHz, 15-01, 0800 UTC.
VVV VVV PROMRCh = 15 01 =
1000 1090 1140 1340 1930
1200 1180 1230 1420 2000
1400 1140 1180 1350 1870
1600 1110 1150 1330 1860
1800 0790 0820 0940 1310
2000 0440 0460 0530 0750
2200 0370 0370 0430 0580
0000 0390 0400 0450 0590
0200 0400 0410 0460 0610
0400 0410 0420 0480 0640
0600 0390 0410 0460 0640
0800 0610 0660 0790 1160
= ABV then off

4735 kHz, 16-01, 0800 UTC
VVV VVV PROMRCh = 16 01 =
1000 1080 1140 1330 1920
1200 1170 1230 1420 2000
1400 1130 1180 1340 1870
1600 1100 1150 1320 1860
1800 0790 0830 0940 1310
2000 0440 0460 0530 0750
2200 0370 0380 0430 0580
0000 0390 0400 0450 0600
0200 0400 0410 0460 0620
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0610 0650 0790 1160
= ABV
VVV VVV PROMRCh = 16 01 =
1000 1080 1140 1330 1920
1200 1170 1230 1420 2000
1400 1130 1180 1340 1870
1600 1100 1150 1320 1860
1800 0790 0830 0940 1310
2000 0440 0460 0530 0750
2200 0370 0380 0430 0580
0000 0390 0400 0450 0600
0200 0400 0410 0460 0620
0400 0410 0430 0480 0640
0600 0390 0410 0460 0640
0800 0610 0650 0790 1160
= AR

4735 kHz, 17-01, 0800 UTC
VVV VVV PROMRCh = 17 01 =
1000 1080 1140 1340 1930
1200 1180 1230 0420 2010
1400 1140 1190 1350 1880
1600 1100 1150 1320 1860
1800 0800 0830 0950 1320
2000 0440 0460 0540 0760
2200 0370 0380 0440 0590
0000 0390 0400 0450 0600
0200 0400 0410 0470 0620
0400 0410 0430 0480 0640
0600 0390 0410 0460 0650
0800 0610 0650 0780 1150
= ABV
VVV VVV PROMRCh = 17 01 =
1000 1080 1140 1340 1930
1200 1180 1230 0420 2010
1400 1140 1190 1350 1880
1600 1100 1150 1320 1860
1800 0800 0830 0950 1320
2000 0440 0460 0540 0760
2200 0370 0380 0440 0590
0000 0390 0400 0450 0600
0200 0400 0410 0470 0620
0400 0410 0430 0480 0640
0600 0390 0410 0460 0650
0800 0610 0650 0780 1150
= AR

4735 kHz, 18-01, 0800 UTC
VVV VVV PROMRCh = 18 01 =
1000 1070 1130 1320 1900
1200 1160 1210 1410 1990
1400 1130 1180 1340 1860
1600 1090 1140 1320 1840
1800 0800 0830 0950 1320
2000 445 EEEE =
2000 0400 0460 0540 0760
2200 0370 0380 0430 0590
0000 0390 0400 0450 0600
0200 0400 0510 0470 0620
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0600 0640 0780 1140
= ABV =
VVV VVV PROMRCh = 18 01 =
1000 1070 1130 1320 1900
1200 1160 1210 1410 1990
1400 1130 1180 1340 1860
1600 1090 1140 1320 1840
1800 0800 0830 0950 1320
2000 0400 0460 0540 0760
2200 0370 0380 0430 0590
0000 0390 0400 0450 0600
0200 0400 0510 0470 0620
0400 0410 0430 0480 0640
0600 0390 0400 0460 0640
0800 0600 0640 0780 1140
= AR

4375 kHz, 19-01, 0801 UTC
VVV VVV PROMRCh = 19 01 =
1000 1070 1120 1320 1900
1200 1160 1210 1400 1990
1400 1120 1170 1340 1860
1600 1090 1140 1310 1840
1800 0800 0830 0960 1330
2000 0450 0470 0540 0770
2200 0370 0390 0440 0590
0000 0390 0400 0450 0600
0200 0400 0450 0470 0630
0400 0410 0420 0470 0640
0600 0380 0400 0460 0640
0800 0600 0640 0780 1140
= ABV
VVV VVV PROMRCh = 19 01 =
1000 1070 1120 1320 1900
1200 1160 1210 1400 1990
1400 1120 1170 1340 1860
1600 1090 1140 1310 1840
1800 0800 0830 0960 1330
2000 0450 0470 0540 0770
2200 0370 0390 0440 0590
0000 0390 0400 0450 0600
0200 0400 0450 0470 0630
0400 0410 0420 0470 0640
0600 0380 0400 0460 0640
0800 0600 0640 0780 1140
= AR

4735 kHz, 20-01, 0801 UTC
VVV VVV PROMRCh = 20 01 =
1000 1060 1120 1320 1890
1200 1150 1200 1400 1990
1400 1120 1160 1330 1850
1600 1080 1130 1310 1840
1800 0800 0830 0950 1320
2000 0450 0470 0540 0760
2200 0370 0390 0440 0590
0000 0400 0400 0460 0600
0200 0410 0420 0470 0630
0400 0410 0420 4800 0640
0600 0380 0400 0450 0640
0800 0600 0640 0770 1140
= ABV
VVV VVV PROMRCh = 20 01 =
1000 1060 1120 1320 1890
1200 1150 1200 1400 1990
1400 1120 1160 1330 1850
1600 1080 1130 1310 1840
1800 0800 0830 0950 1320
2000 0450 0470 0540 0760
2200 0370 0390 0440 0590
0000 0400 0400 0460 0600
0200 0410 0420 0470 0630
0400 0410 0420 4800 0640
0600 0380 0400 0450 0640
0800 0600 0640 0770 1140
= AR

4735 kHz, 21-01, 0802 UTC
VVV VVV PROMRCh = 21 01 =
1000 1060 1110 1310 1890
1200 1150 0210 1400 1980
1400 1120 1160 1330 1850
1600 1080 1130 1310 1840
1800 0800 0830 0950 1330
2000 0450 0480 0550 0780
2200 0380 0390 0440 0600
0000 0400 0410 0460 0610
0200 0410 0420 0470 0630
0400 0410 0420 0480 0640
0600 0380 0400 0460 0640
0800 0590 0630 075 EEEEE
0800 0590 062 0760 1130
= ABV =
VVV VVV PROMRCh = 21 01 =
1000 1060 1110 1310 1890
1200 1150 0210 1400 1980
1400 1120 1160 1330 1850
1600 1080 1130 1310 1840
1800 0800 0830 0950 1330
2000 0450 0480 0550 0780
2200 0380 0390 0440 0600
0000 0400 0410 0460 0610
0200 0410 0420 0470 0630
0400 0410 0420 0480 0640
0600 0380 0400 0460 0640
0800 0590 062 0760 1130
= AR

4735 kHz, 22-01, 0800 UTC
VVV VVV PROMRCh = 22 01 =
1000 1040 1100 1300 1870
1200 1150 1200 1390 1980
1400 1110 1160 1330 1850
1600 1080 1310 1310 1840
1800 0790 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0390 0440 0600
0000 0400 0410 0460 0610
0200 0410 0420 0470 0630
0400 0410 0430 0480 0650
0600 0380 0400 0460 0640
0800 0590 0630 0770 1120
= ABV
VVV VVV PROMRCh = 22 01 =
1000 1040 1100 1300 1870
1200 1150 1200 1390 1980
1400 1110 1160 1330 1850
1600 1080 1310 1310 1840
1800 0790 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0390 0440 0600
0000 0400 0410 0460 0610
0200 0410 0420 0470 0630
0400 0410 0430 0480 0650
0600 0380 0400 0460 0640
0800 0590 0630 0770 1120
= AR

4735 kHz, 23-01, 0803 UTC
VVV VVV PROMRCh = 23 01 =
1000 1040 1100 1290 1870
1200 1150 1200 1390 1980
1400 1110 1150 1320 1850
1600 1080 1130 1300 1840
1800 0780 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0380 0440 0590
0000 0400 0410 0460 0610
0200 0410 0420 0480 0640
0400 0410 0430 0480 0650
0600 0390 0410 0470 0650
0800 0590 0630 0760 1130
= ABV
VVV VVV PROMRCh = 23 01 =
1000 1040 1100 1290 1870
1200 1150 1200 1390 1980
1400 1110 1150 1320 1850
1600 1080 1130 1300 1840
1800 0780 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0380 0440 0590
0000 0400 0410 0460 0610
0200 0410 0420 0480 0640
0400 0410 0430 0480 0650
0600 0390 0410 0470 0650
0800 0590 0630 0760 1130
= AR

4735 kHz, 24-01, 0800 UTC
VVV VVV PROMRCh = 24 01 =
1000 1040 1100 1290 1860
1200 1150 1200 1390 1980
1400 1100 1150 1320 1850
1600 1080 1130 1300 1830
1800 0790 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0390 0440 0590
0000 0400 0410 0460 0610
0200 0410 0430 0480 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0650
0800 0590 0640 0770 1130
= ABV
VVV VVV PROMRCh = 24 01 =
1000 1040 1100 1290 1860
1200 1150 1200 1390 1980
1400 1100 1150 1320 1850
1600 1080 1130 1300 1830
1800 0790 0820 0940 1310
2000 0450 0470 0550 0780
2200 0370 0390 0440 0590
0000 0400 0410 0460 0610
0200 0410 0430 0480 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0650
0800 0590 0640 0770 1130
= AR

4735 kHz, 25-01, 0800 UTC
VVV VVV PROMRCh = 25 01 =
1000 1030 1090 1290 1850
1200 1140 1190 1390 1970
1400 1090 1140 1310 1830
1600 1070 1130 1300 1830
1800 0790 0820 0940 1310
2000 0450 0470 0550 0770
2200 0370 0390 0440 0590
0000 0400 0410 0460 0610
0200 0420 0430 0080 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0660
0800 0600 0640 0770 1140
= ABV
VVV VVV PROMRCh = 25 01 =
1000 1030 1090 1290 1850
1200 1140 1190 1390 1970
1400 1090 1140 1310 1830
1600 1070 1130 1300 1830
1800 0790 0820 0940 1310
2000 0450 0470 0550 0770
2200 0370 0390 0440 0590
0000 0400 0410 0460 0610
0200 0420 0430 0080 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0660
0800 0600 0640 0770 1140
= AR

4375 kHz, 26-01, 0800 UTC
VVV VVV PROMRCh = 26 01 =
1000 1030 1080 1280 1840
1200 1130 1190 1380 1970
1400 1080 1130 1290 1820
1600 1060 1110 1290 1820
1800 0790 0830 0950 1320
2000 0450 0470 0550 0770
2200 0370 0380 0440 0590
0000 0400 0410 0460 0610
0200 0410 0430 0480 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0660
0800 0600 0640 0780 1150
= ABV
VVV VVV PROMRCh = 26 01 =
1000 1030 1080 1280 1840
1200 1130 1190 1380 1970
1400 1080 1130 1290 1820
1600 1060 1110 1290 1820
1800 0790 0830 0950 1320
2000 0450 0470 0550 0770
2200 0370 0380 0440 0590
0000 0400 0410 0460 0610
0200 0410 0430 0480 0640
0400 0420 0430 0480 0650
0600 0390 0410 0470 0660
0800 0600 0640 0780 1150
= AR

4735 kHz, 27-01, 0800 UTC
VVV VVV PROMRCh = 27-01 =
1000 1040 1100 1290 1870
1200 1140 1190 1390 1970
1400 1090 1130 1300 1830
1600 1060 1110 1290 1830
1800 0800 0840 0950 1330
2000 0460 0480 0560 0780
2200 0380 0390 0440 0590
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0420 0430 0490 0650
0E00 0390 0410 0470 0660
0800 0600 0650 0780 1140
= ABV
VVV VVV PROMRCh = 27-01 =
1000 1040 1100 1290 1870
1200 1140 1190 1390 1970
1400 1090 1130 1300 1830
1600 1060 1110 1290 1830
1800 0800 0840 0950 1330
2000 0460 0480 0560 0780
2200 0380 0390 0440 0590
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0420 0430 0490 0650
0E00 0390 0410 0470 0660
0800 0600 0650 0780 1140
= AR

4735 kHz, 28-01, 0800 UTC
VVV VVV PROMRCh = 28 01 =
1000 1040 1090 1290 1860
1200 1140 1200 1390 1970
1400 1090 1130 1300 1830
1600 1060 1110 1290 1820
1800 0810 0840 0960 1340
2000 0460 0480 0560 0780
2200 0380 0390 0440 0510
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0420 0440 0490 0660
0600 0400 0410 0470 0660
0800 0610 0650 0780 1150
= ABV
VVV VVV PROMRCh = 28 01 =
1000 1040 1090 1290 1860
1200 1140 1200 1390 1970
1400 1090 1130 1300 1830
1600 1060 1110 1290 1820
1800 0810 0840 0960 1340
2000 0460 0480 0560 0780
2200 0380 0390 0440 0510
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0420 0440 0490 0660
0600 0400 0410 0470 0660
0800 0610 0650 0780 1150
= AR followed by 8 dashes

4735 kHz, 29-01, 0800 UTC
VVV VVV PROMRCh = 21 01 =
1000 1040 1090 1290 1870
1200 1140 1190 1390 1980
1400 1090 1140 1310 1830
1600 1060 1110 1290 1830
1800 0810 0860 0970 1350
2000 0470 0490 0570 0800
2200 0380 0390 0450 0600
0000 0400 0410 0420 0620
0200 0420 0430 0480 0640
0400 0420 0450 0490 0660
0600 0400 0410 0480 0660
0800 0610 0650 0790 1160
= ABV
VVV VVV PROMRCh = 21 01 =
1000 1040 1090 1290 1870
1200 1140 1190 1390 1980
1400 1090 1140 1310 1830
1600 1060 1110 1290 1830
1800 0810 0860 0970 1350
2000 0470 0490 0570 0800
2200 0380 0390 0450 0600
0000 0400 0410 0420 0620
0200 0420 0430 0480 0640
0400 0420 0450 0490 0660
0600 0400 0410 0480 0660
0800 0610 0650 0790 1160
= AR

4735 kHz, 30-01, 0800 UTC
VVV VVV PROMRCh = 30 01 =
1000 1050 1100 1300 1870
1200 1150 1200 1400 1990
1400 1090 1140 1300 1830
1600 1060 1110 1290 1830
1800 0820 0860 0980 1360
2000 0470 0500 0570 0800
2200 0390 0400 0450 0610
0000 0410 0420 0460 0620
0200 0420 0430 0480 0650
0400 0430 0440 0490 0660
0600 0400 0420 0480 0660
0800 0620 0660 0790 1170
= ABV
VVV VVV PROMRCh = 30 01 =
1000 1050 1100 1300 1870
1200 1150 1200 1400 1990
1400 1090 1140 1300 1830
1600 1060 1110 1290 1830
1800 0820 0860 0980 1360
2000 0470 0500 0570 0800
2200 0390 0400 0450 0610
0000 0410 0420 0460 0620
0200 0420 0430 0480 0650
0400 0430 0440 0490 0660
0600 0400 0420 0480 0660
0800 0620 0660 0790 1170
= AR

4735 kHz, 31-01, 0800 UTC
VVV VVV PROMRCh = 31 01 =
1000 1040 1100 1300 1870
1200 1160 1210 1400 1990
1400 1090 1130 1300 1830
1600 1060 1110 1290 1830
1800 0830 0870 0990 1380
2000 0480 0510 0580 0820
2200 0390 0400 0450 0610
0000 0410 0420 0470 0620
0200 0420 0430 0480 0650
0400 0430 0440 0490 0660
0600 0400 0420 0480 0670
0800 0620 0660 0790 1170
= ABV AR then off

UM05

Back for a while after a couple of weeks inactivity.

7542.8 kHz

06-01, 1328 UTC	CTE, G, Vert, Portecles, etc.
07-01, 1600 UTC	Taxi, Lire, A, G, Plage, Vallee, etc.
08-01, 0816 UTC	Pluie, Foret, Chaise, etc.
09-01, 0758 UTC	Acteur, Lampe, Lundi, Cuillere, Echarpe, Veste, Accident, etc.
10-01, 0815 UTC	Cockinelle, W, Kiwi, Soir, Plante, Film, etc.
11-01, 1139 UTC	W, Aeroport, Tuatara, Nuit, K, etc.
12-01, 0828 UTC	E, Pain, 4, Decouverte, Neige, etc.
13-01, 0747 UTC	Heure, Argument, Etoiles, Danse, Couteau, etc.
14-01, 0816 UTC	Route, Ecrire, Depart, Second, Classe, 9, etc.
15-30 January	No transmissions
31-01, 1645 UTC	Pomme (R), Serpent (R), Eruption (R), etc.

DIGITAL MODES

F01

Test transmissions

5089/7337/9481 kHz, 28-01, 0900/0910/0920 UTC
These F01 transmissions sounded like they had the block #0 intro at the beginning again:

00124 80079 75797 60568 72786 87985 15969 17897 99902 16390
79401 63653 87551 28572 07957 34395 29834 26495 48368 81763
49764 24320 41933 39655 28924 65379 57433 87605 18076 43994
43988 33780 45924 18017 37517 66050 68205 23036 75502 44962
24295 24173 59744 34250 93530 66421 51790 00729 68418 09456

90722 18005 86925 57845 _____ _____ _____ 22627 79057 84383
03840 75149 76276 02003 42047 79152 73137 30584 06640 12000
94125 55912 18308 11009 70145 _____ _____ _____ 44099 13050
54999 22737 36341 28870 _____ _____ _____ 74193 98012 53746
18580 13325 63799 44176 32399 61761 57670 46872 87088 13826
73868 21206 95308 86798 43699 23177 09487 79996 24642 19805
37555 72222 81412 63007 56061 06044 01032 33873 75315 32313
09218 93296 36290 13383 80218 95892 _____ _____ _____ 81124
66615 89494 _____ _____ _____ 61136 07525 33515 69465 83050
64298 82971 92645 18178 34803 03495 03533 55278 40159 62287
21122 79237 29392 02395 85291 87571 55671 92674 50279 76545
00691 18422 81772 45370 89387 23735 12297 51899 62178 41426
34592 98267 96894 71480 77667 29907 57628 93993 15219 96381
92644 27515 01093 47474 08572 68734 11459 02969 13047 74464
98632 39553 43004 71836 85430 83296 60798 07658 56105 81128
05347 72873 22188 49755 30475 63053 68733 25464 47661 60858
10394 63230 15362 51419 12044 58594 42106 06551 53641 90714
95545 98765 44015 10064 34652 31005 13270 19179 07244 93024
38479 15523 80037 80384 82387 25686 93395 36974 49765 61966
57984 07007 91144 03763 35496 07425 08599 23229 70657 56654
55250 00000 00000 00000 00000 00000 00000 00000 00000 00000

34237 _____ _____ _____ 35883 83748 05349 23572 85049 65566
65362 33238 56270 10635 08092 96607 35700 90525 70373 67760
18229 77122 73811 40638 78128 39615 28488 61318 99175 38850
23476 74367 75179 73738 77621 70470 16865 _____ _____ _____
26032 41719 26541 62305 22946 78056 52139 35846 37879 38701
46865 74398 _____ _____ _____ 83277 03857 55795 21301 56027
81412 70847 74241 15690 87225 00982 48136 90630 36050 49598
83100 72030 11797 51252 01986 99519 14443 89995 28827 07142
58616 36013 _____ _____ _____ 20254 90022 41647 _____ _____
_____ 05777 41687 07196 17562 73788 53174 47839 67210 06027
93622 42768 87212 42514 06783 03871 77720 62497 56334 61820
28458 71818 37493 37870 56656 85276 27718 91129 61817 96253
63456 46037 82165 50839 18856 29669 99811 68037 07389 73625
68983 74507 16327 60133 04983 44664 76555 17058 78825 64165
50758 91714 03560 58684 41652 _____ _____ _____ 71630 34121
55613 68075 79333 25131 50388 26797 28334 02856 88427 88185
35795 95465 76377 99234 57471 55736 44113 04494 90000 16244
69460 12762 76412 60669 88479 67601 25802 65909 17798 87475
83099 94+73 36144 68159 09872 43252 42356 _____ _____ _____
36908 94034 75880 88255 01798 28683 96926 16425 76369 68328
14925 34470 52825 11841 88557 32492 39787 68716 72210 91971
67373 78184 80275 51047 32206 28025 49981 62447 05811 90295
88706 73780 54817 16091 16696 84877 46430 56638 41126 _____
_____ _____ _____ _____ _____ 60266 19018 53800 28078 02495
20710 22333 07729 68786 07873 84314 36659 95477 56132 52579
56250 00000 +++++

F01 – FSK 200/500 Mon-Fri schedule

11079/9162/7509 kHz, 01-01, 1015/1025/1035 UTC

77517 03877 87706 03557 74057 46495 51847 36825 89836 05683
14769 13996 26694 35923 50336 86601 28312 60683 76148 18979
73080 30485 12662 27637 89717 94750 11159 64873 94077 79602
11513 51310 70592 88813 15662 87043 46774 70079 87750 96099
34227 13823 16872 83870 34600 76690 03334 12234 33911 46961
54412 22028 33698 94017 00503 57587 92419 69104 67622 73005
75540 49532 67204 24833 37760 43530 89104 80881 85793 97933
08776 99835 95163 75883 44537 61347 79435 96731 25875 51306
35325 55381 58725 31980 12127 63108 98654 51695 78897 77280
67903 73766 87823 11943 77197 29343 57231 46581 38297 23876
22647 75213 78193 51878 29372 62996 90917 99683 64998 02548

87869 40868 55296 87153 32628 54046 71928 43067 71170 17712
25409 88065 93437 61821 41755 08474 87185 80795 46279 71830
70062 37645 02928 17383 10835 13886 82641 91603 75728 84951
59146 20913 60789 25779 55629 38799 96226 76251 90728 09518
33660 21202 97273 15558 52218 64649 12226 01075 44421 02959
61239 88454 67786 26621 86292 10222 73092 05328 89822 23460
45244 36036 93801 98940 17670 58713 37190 02151 46189 69433
60212 08345 33001 85541 48873 19171 78804 42539 38186 72010
97719 27410 97508 60944 91418 78046 46458 09823 82924 03487
74828 65634 72306 04634 64947 04052 33107 00156 39908 64354
55744 87242 86129 55944 48829 91919 23655 03628 34318 88596
22653 23855 97460 93543 89547 49102 77470 61979 71205 42587
09850 43458 50636 70507 56316 75253 32363 39778 32601 84068
42775 07869 74686 66140 88292 38728 90546 79336 54123 18965
06440 28735 32704 79497 95583 48563 10881 08041 39015 31286
62378 05234 74949 18151 19283 35771 23237 65217 20958 66761
45854 89573 63845 10465 29368 25402 00577 13618 00315 44608
61849 60531 09417 21683 99478 82137 45593 47485 74091 88189
65689 21649 35883 64789 50868 78283 71871 04431 25597 24660
18105 60761 00171 97582 60234 45226 22709 67115 70918 07800
51559 42360 57465 68989 84056 58981 18180 95289 02554 53140
30830 35288 23691 51562 21687 58596 61811 32389 88564 64805
42484 36527 76301 54647 27058 34169 28123 80548 34187 76179
61317 18770 69268 85031 40667 30312 97729 64982 48072 02779
23096 36170 71804 90387 55782 22331 63820 94307 83549 46814
38588 50524 79552 16579 11847 17400 08927 98880 02753 80140
19846 20308 47835 14340 29993 42874 00210 75787 44370 96851
12485 08744 65408 75028 26789 89852 81285 18075 20378 49891
43412 45714 80230 40530 69014 13387 05099 38314 29748 99078
58427 03024 12291 50024 20596 32631 61844 43950 13915 82013
44473 44569 98805 37634 89246 55984 64619 65361 96088 05724
63514 73624 20296 11061 60844 59079 69647 08335 00478 26997
75056 49936 08513 03531 20689 98666 83787 82078 44498 74138
48664 70902 45096 30923 58489 34214 55925 73115 93192 31449
00000 +++++ +++++

11079/9162/7509 kHz, 02-01, 1015/1025/1035 UTC
67663 40995 87909 40957 09635 50526 68978 88661 36439 08266
87897 92480 92173 22771 02763 94430 19608 46339 42323 49549
25459 45143 75402 66787 53576 08916 78088 38665 01978 79879
97100 51883 44673 05589 32796 96082 44203 45400 90230 12938
65841 85234 71739 52762 29399 40330 09444 30830 59556 50671
61146 00584 20676 98775 18041 85931 47014 04548 97670 39807
04294 76845 20588 21192 43553 26499 94133 07783 33219 70424
51786 86479 80342 81543 21518 88913 76928 64197 21585 64161
32306 59727 07207 32083 00000

50064 96190 86316 27614 78380 33319 37098 44229 60056 59985
88346 22384 22018 33849 18474 79704 55210 98671 66479 87129
69081 50497 31594 10916 20385 75410 30850 44204 89737 26077
50487 07816 04363 29222 52147 24977 30474 41274 19794 99661
83711 94322 58289 53228 31096 99607 79571 99046 82909 00712
37361 59802 97968 93642 96348 57164 50705 56007 46787 28501
33506 52446 00430 50338 92740 08532 28762 73237 21918 70303
29447 97793 60414 91646 31935 46430 71197 16676 78170 10682
96000 49341 39335 78654 11367 27413 25471 33087 00000 +++++

11079/9162/7509 kHz, 03-01, 1015/1025/1035 UTC
00000 +++++ +++++

11079/9162/7509 kHz, 06-01, 1015/1025/1035 UTC. Wrong 1000Hz shift

46903 08792 78850 75425 30658 98307 67545 61492 59004 55397
56264 53760 25324 19997 84798 26742 54985 57987 52739 04354
72330 89872 31634 64425 41972 91047 35048 32763 57857 30826
82473 46446 78510 42429 18022 91057 31910 41121 69847 41517
38435 32675 61219 61224 25310 79355 09203 39182 30990 15613
71865 69807 22935 30670 29960 05090 77188 60189 14024 33815
93217 54212 12813 67516 42439 13555 24033 37861 73881 11845
33286 35140 25406 45399 32181 42568 13936 78108 11539 46064
03128 73539 90637 24214 71918 31428 68421 48091 32389 70754
07633 45631 70385 26583 87776 10244 07330 52870 87887 58352
06657 48408 84998 65541 73320 48100 79292 36013 19804 46761
81833 85022 97071 47623 25840 38998 13898 52730 87435 83016
93009 37426 26799 10338 37495 76098 85673 53669 05886 11389
02151 02862 19384 84048 28684 38716 49647 65618 64262 37591
60577 61132 36675 26503 02556 74033 95820 93393 82551 50473
03982 82265 58551 45204 34013 27874 31739 76232 11374 09646
34871 60436 60951 29531 40275 47320 44603 43468 35918 93107
00358 01149 42983 42352 19216 73766 73375 09252 20489 74449
50622 75864 11604 01051 42575 49397 43323 55991 79376 45773
96309 22838 55114 91650 59980 04314 36601 62086 89579 51418
27726 96034 52410 38342 62807 56863 99170 62883 27390 30074
21318 77027 29913 75425 80406 77397 72705 75628 20343 10253
95726 48819 98477 70724 91505 16982 96491 00980 14699 47525
96999 16996 34726 10179 36815 18642 04904 16421 72816 62737
46520 33606 21340 03800 71291 90988 57056 32143 90629 19832
82246 64036 85172 94780 02435 63596 32997 68694 69300 01106
19965 18126 76811 77445 80636 41630 21528 69330 43184 78093
62991 75027 76751 37267 45154 65253 64686 59702 64783 68936
52097 48257 97773 48530 41157 38383 19304 44556 32603 99362
78784 94085 36861 83690 15528 52824 03239 66793 26069 75504
40626 44260 19099 34261 28128 78789 18920 79685 39089 14023
03382 74241 26920 97462 87223 52735 46190 79663 86765 89519
07404 81875 26886 77122 88909 49335 76220 45999 54376 32384
21518 80070 49266 62615 17102 07761 74760 16218 70358 73207
62554 81721 49204 17332 98972 74321 22459 23467 71839 63970
69066 07214 38536 09434 17109 55235 38696 15485 98527 42652
99953 55431 30521 83748 10208 26164 59528 95660 54820 27909
28756 79742 42199 85883 55170 50296 66192 56018 26905 65350
78737 81964 57015 39181 71205 95550 54517 41252 87868 77881
98646 11277 19940 23277 27283 45072 53612 73223 75467 30907
70540 12533 24958 34403 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 07-01, 1015/1025/1035 UTC

05153 00577 27487 02217 57951 77936 63825 45186 47047 34011
93950 28478 46259 40998 69362 37100 93199 24820 83995 37391
77836 01711 25929 79285 72573 22326 66680 86566 02257 15562
49049 39793 77570 49266 59414 81593 40243 50033 95463 99006
93514 49262 65253 62564 16285 47684 78561 26796 84399 15522
16461 21850 47502 70490 90055 90912 34881 00810 24311 53120
88767 25430 27918 96638 48513 08650 35139 31617 34072 71315
30554 57683 02249 65791 92654 35075 00000

66026 92281 37739 87311 28568 36602 84485 82230 86344 27619
81390 31606 36281 86647 93491 27987 52921 20375 99031 61577
57275 58822 47990 56676 17786 53946 23853 24236 31867 81069
19529 85219 61443 10342 63368 44450 20934 40394 56223 19631
41112 11399 05468 55228 57284 39703 66940 75915 95217 41239
30724 59237 53271 35887 11722 32219 04137 49983 30946 21575
64664 59159 98469 12225 07184 38707 33983 93796 10766 13641
85871 99803 75862 25660 34781 69188 50773 59194 92582 84912
43349 93716 32688 69288 16403 74513 12655 40739 90238 19097
98422 67531 12684 22364 25412 22548 65842 33312 78452 36099
00000 +++++ +++++

11079/9162/7509 kHz, 08-01, 1015/1025/1035 UTC

62612 16349 59009 24664 51927 94355 17842 20919 34200 63328
13931 73418 36550 72316 34788 06023 84811 58073 77145 42210
70464 23493 57885 53478 61426 35282 21165 88712 17618 45562
65165 01688 97259 67084 36914 18919 64819 56740 68602 15011
36567 87066 53850 87731 24661 10427 87351 49974 65702 45547
16329 80795 44706 41111 77247 02737 50417 96092 16221 77585
22912 41512 16542 37798 79420 13302 81781 95740 29313 70983
47896 97959 14181 41820 22766 16652 33951 95157 76624 95535
44980 76616 31795 92298 41051 56847 25186 84815 53222 74509
41976 33330 29457 78191 43927 15771 79982 96933 40768 78407
99303 94055 78074 69021 00817 83971 40098 44786 24955 16680
90972 72042 06813 59620 02731 60152 14177 31577 43582 96627
91898 68320 24882 75709 73569 24679 30220 37598 46394 42722
75090 60511 80247 40740 70550 72764 56814 02718 89331 77054
59770 72981 57825 04140 11931 85708 22385 38107 70318 83989
63382 80396 15069 08129 55454 44798 93126 57868 97381 00580
02666 58224 60030 05956 29163 83631 25800 99068 69076 20068
18012 38687 02056 69858 43675 11786 97625 28842 98070 50220
67277 90586 04592 23660 97913 57351 88270 00986 27571 62462
06433 97332 49372 33808 84930 48956 54631 53138 33363 83127
51066 90844 37748 75229 17035 20924 54075 10253 77752 45796
51162 90865 14417 85682 76282 59265 42180 12216 41970 24973
17906 30979 57461 15784 63649 42655 53197 94043 16798 37480
71839 05446 42811 02682 24213 52539 71491 47600 33642 10123
42729 76159 17096 24729 72661 61403 76585 65375 76176 01763
99256 17772 06696 63748 89612 39172 99194 40759 82298 16057
27368 82688 08893 91841 10901 76026 17138 56784 33772 79122
66056 17292 59535 42330 45372 86806 54500 67687 92695 65464
54772 87844 06896 00709 38071 68911 81099 46049 86271 66925
03766 60151 49612 92611 01250 13445 48486 64137 20322 94447
73788 52540 74059 32969 71713 49522 99552 82408 23982 12287
00872 28318 59401 65126 75713 15422 57720 62423 49194 10282
31703 42773 63190 41792 98359 28904 94697 86699 75282 53085
01622 92323 63010 12714 19455 53675 99368 85759 57262 87158
96719 60766 66431 68036 98058 61087 80601 23862 12899 68051
50231 01046 18875 72734 20231 46759 40006 11038 24089 73360
37566 61757 92960 97518 74474 12317 03109 71244 39169 21880
10187 46991 39889 36501 43758 44031 05304 36018 60511 08293
52422 17376 79610 82831 07735 44052 48603 31143 92508 16296
13338 80494 08177 41847 90320 77452 82776 11835 64951 72821
64343 11533 64077 78152 72228 20680 76296 61025 42255 83021
18458 71288 26668 37413 00000 +++++ +++++

11079/9162/7509 kHz, 09-01, 1015/1025/1035 UTC

34723 09571 75890 25043 69359 62542 05623 27675 00309 45991
65100 29881 03694 65987 86991 81603 37204 25901 37730 37929
65898 74148 49999 90284 61931 21570 03371 38358 07890 76874
95266 13671 58430 73584 69447 90757 39913 86924 94201 46875
92699 64090 07432 56187 85821 16330 70826 29354 58698 46284
00297 34481 69593 09014 64870 60335 55495 30156 71233 07805
33111 29654 76102 20498 95665 24482 93611 90458 85181 08808
89916 99901 44941 35060 82184 84932 81808 44274 84169 32169
93104 19218 65558 44212 37719 58708 17268 34909 56145 96538
39897 40329 69136 13496 97499 56405 09651 15861 03886 39172
67799 38101 00000

31159 91035 15333 11329 38495 08434 44484 60753 68312 92747
51087 63361 51482 70092 99476 84649 09612 94076 60611 68940
86942 74074 97151 83515 64776 16085 11525 77688 50606 37127
61664 80266 59134 39118 74115 83815 27387 53147 09190 89185
31081 90110 57859 08732 94463 58620 75075 51656 10788 36142
79200 39922 15620 04293 72239 39055 00000 +++++

11079/9162/7509 kHz, 10-01, 1015/1025/1035 UTC
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11079/9162/7509 kHz, 13-01, 1015/1025/1035 UTC
85201 42785 26257 99253 56694 02578 32479 44678 45512 05844
98098 86298 56697 54423 90491 26899 08629 37549 17520 89254
07552 23248 78279 38645 03852 58433 57307 22633 34741 01123
79434 14084 83073 33226 67472 68332 06945 27339 69912 30456
19797 65969 50842 53573 25684 36654 59245 14127 39411 51384
19893 35070 46221 63785 13000 52897 80717 82490 34836 89468
29712 04145 56490 14552 88695 14471 22956 10022 26596 30840
59741 71666 38534 84789 79191 09519 91252 67911 03695 32665
90902 89561 47978 29466 27894 19824 27673 79120 78470 16165
86329 55517 67718 57212 58088 09311 23687 32111 08174 39153
77305 58871 18409 88025 87798 30165 09941 25609 98263 09999
20361 02618 51127 29705 77398 88056 18133 56685 36397 25310
24591 34346 73736 68032 72529 16661 53405 81748 92478 45804
08905 22121 78543 46283 07669 25810 86471 34015 90196 74877
99392 63782 01077 20653 90921 63501 54088 78015 40316 28751
98585 26024 79367 75986 79321 75829 75722 77887 06932 91813
82313 29267 81240 76880 07593 16989 34591 57858 86252 92325
87379 31922 55124 69191 32988 59999 63936 96700 94296 18081
75630 79465 18961 42382 35904 44102 05660 29287 16691 75352
78469 76015 63249 70280 51585 72952 99547 83964 51554 83573
71648 65141 89220 72903 33756 05219 98554 70451 06635 49114
84581 78554 63078 41337 47561 62069 20116 05771 75639 80346
42639 82580 23132 47430 88152 70688 16654 31418 47317 49249
56253 28919 59983 76571 03764 75541 11400 89918 75546 78361
38290 54617 81816 81297 99474 35934 79734 99329 90730 92130
32460 82509 08584 12155 91348 95691 92706 46396 43476 24921
01622 03943 91691 46421 01390 14788 59366 19122 71978 80405
37047 86649 60990 61146 13187 99735 39444 73890 56142 94971
39290 98386 39637 90844 77355 15725 28858 87000 95404 27372
69394 77666 70992 28210 46188 15171 78814 32025 04699 84492
07228 72861 51453 74794 59636 30702 76189 58857 95427 54900
62760 16367 90145 83803 80994 61978 19596 84001 76712 64117
97551 57646 02061 65426 21775 91276 53373 40818 08018 44578
08741 54062 16697 02526 82472 98838 01940 39345 38636 35213
37675 67721 30873 57446 00465 71708 60671 54102 13759 46756
71277 46365 83266 95313 19441 15530 78128 51431 92188 55579
37571 32807 60789 11803 07746 43704 89126 91387 38425 77199
38647 56914 94250 90172 37081 38707 60223 49491 03118 26969
46111 72824 44228 29631 19482 12529 69816 06872 22022 56025
86891 18230 48858 41132 70450 43250 95547 09763 25748 61608
02430 48454 84658 03637 51032 89137 03295 07208 92213 68604
53097 41896 10735 70105 22557 86363 55939 95509 71776 69909
93237 41472 07049 14110 56076 78037 67642 35501 03090 53131
41984 95230 10105 71357 55418 06618 51707 20560 96739 36567
52037 44563 75685 61760 09520 40445 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 14-01, 1015/1025/1035 UTC
11077 79431 89587 35140 26034 67583 92780 41295 97903 83075
04392 37194 02062 04433 00222 92733 17460 48743 52415 77101
07401 94313 36457 62534 82057 12007 81636 45350 47419 28712
82146 70216 70344 71384 11016 68565 14427 65084 04068 47120
26332 83457 06075 87443 77329 75101 96320 42466 89668 14237
35733 40926 02523 49143 02794 35653 57160 46779 10400 56636
06044 57037 20873 54818 75546 45058 01303 47551 36966 65055
86401 01641 65524 74077 57931 41075 00000

16783 47767 61812 81573 22732 38537 83976 49898 31456 15625
26486 96522 78627 39979 82042 99783 05021 35953 49831 17679

86046 82728 11384 60980 66074 29670 26091 64496 83475 65283
94760 98660 97322 94483 64698 88640 51694 03847 74716 33156
38508 19537 63524 40192 44830 87602 89941 21792 95591 31311
38360 15117 27658 65237 07895 21972 56178 70766 08670 83967
19161 62715 13667 35516 11203 01750 39576 01850 42329 32299
55096 34244 82853 50635 40103 99633 80219 32825 44143 66814
58754 77227 17673 56411 38259 41229 14500 46807 32397 76908
88841 53211 12797 95313 35460 22064 49817 42097 00000 +++++

11079/9162/7509 kHz, 15-01, 1015/1025/1035 UTC
96603 81452 17714 96351 87350 12188 14499 86351 20351 55368
37224 13660 23268 91573 75082 30769 66155 84038 84071 91757
64896 14587 60396 88078 03873 15754 94834 89126 82569 22539
25248 73528 15787 92221 29416 62102 42157 65685 25402 88404
20643 68680 71620 67813 19719 76464 83794 51091 28913 90265
11002 73351 47398 98990 37989 34373 29323 24631 05940 71205
90570 74796 68892 08989 06625 50813 27981 00941 56245 84825
10711 93437 90621 04347 87421 77130 32712 47673 42165 10036
36439 78635 40147 23533 60439 74080 58951 47215 36050 82566
75713 13520 34223 77673 27447 28084 61048 54382 86688 16760
36584 41960 19678 85228 36670 31789 19234 52147 02419 43568
29527 41769 47070 78333 04941 46978 14896 31738 70192 98663
71844 66013 73918 02386 32606 64067 52902 28263 53800 14147
49130 65016 47956 98501 46874 74115 97985 84492 21976 04958
76826 41576 20526 57021 01958 32610 09131 99924 79458 52907
63937 87338 17308 15485 90630 25682 12612 05939 92559 83536
42437 55389 29209 52728 12958 04927 32178 96999 46577 60002
70879 49224 11732 58190 85121 43085 25062 98777 26777 90173
80626 07598 77723 38424 85857 35560 36238 72849 08945 14310
89035 44479 67328 17451 11141 38478 11997 00774 60783 17348
87266 19927 61490 00169 70746 48965 88583 63816 23160 48210
02253 77086 02715 54877 94399 03666 23720 94877 41441 34891
64122 39266 80254 38227 51654 53738 49456 32411 83291 14644
63195 25185 57688 89939 09665 74574 25294 08516 91495 59630
85837 66344 50242 71589 87849 42878 42126 61370 09938 26143
57253 04373 28474 69956 99458 68478 01410 31719 68994 96230
22877 64200 15231 37100 28289 59772 51571 90788 54610 70523
49755 47509 85495 52680 55743 36169 35971 08797 94378 16410
56361 26118 55001 75423 60142 34591 75199 15495 05399 32925
64910 43209 84596 56169 38022 96246 02328 83222 43693 68722
45744 07728 14569 20994 77346 20780 74065 84877 04829 78888
69943 00217 07658 55632 26321 43733 25081 00443 31342 36100
35242 52949 02671 38176 80108 86339 98009 72337 15877 78148
62824 29848 93554 31935 32458 50190 99414 98267 30832 83326
09988 68475 32919 70786 41305 39576 83165 06557 97056 73846
87062 63679 45369 01447 18053 97525 78883 39562 06952 61651
37820 26473 06073 97197 00717 94009 45257 81766 72537 26830
21979 48691 24825 81937 92717 12678 67594 66901 57796 62708
57651 00201 56851 08183 73025 02137 17150 89215 08205 89751
21914 87025 69854 74177 90855 95371 77715 83883 90111 38950
00366 62217 13752 49710 80528 12721 04064 37011 29627 90622
02790 43411 00000 +++++

11079/9162/7509 kHz, 16-01, 1015/1025/1035 UTC
50926 19751 17252 07305 73652 27527 41214 24306 03501 95436
46253 37802 16686 10865 75911 73585 57565 47638 34454 03638
14349 63284 66916 15123 07788 61233 63857 02906 97535 41395
08012 71550 35883 87559 05019 57726 23534 65044 65425 08962
47129 27034 30139 79681 03182 53058 56536 30470 38143 68018
07394 41492 59257 15238 09841 76010 95906 81936 76523 54945
16135 00599 06158 28396 28034 74644 05669 55080 20680 01865
01095 44071 00000

74303 11187 85498 45527 07974 56436 28582 06743 51151 98369
71101 96787 54533 10652 57334 91809 47657 59996 90940 35573
51669 38727 41526 91019 30853 91190 20439 38010 75120 94944
30495 40706 30644 82685 19322 33011 20823 15818 90990 95517
24769 45633 55650 22396 05496 23023 21825 01663 05009 42656
61087 57260 48473 32579 99769 26399 24651 25151 17426 70586
34798 70275 56706 43781 27200 76845 74359 66119 59550 93354
88022 76644 56335 63602 98507 63475 53438 18439 92261 94855
47126 89474 53687 99515 89630 55711 42020 69798 98487 59009
12438 85961 71844 49347 86098 45095 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 17-01, 1015/1025/1035 UTC
00000 +++++ +++++

11079/9162/7509 kHz, 20-01, 1015/1025/1035 UTC
78074 32373 65213 48698 50161 40783 50976 15108 65408 09069
33022 30284 75281 74802 75457 70979 19686 93146 07304 23288
09040 90980 11843 23137 95511 66811 44976 41802 69349 16191
81017 08635 41247 87297 09363 88178 96688 96380 30487 53866
33190 57767 24681 25495 16405 08092 91990 62647 16002 29464
86783 31264 07271 01240 95371 85549 49389 35103 30154 32393
76286 73129 38688 70495 61036 53526 51147 21397 39735 73736
14588 94582 05779 05597 87480 53857 10491 42227 92921 77179
31037 81350 53979 27136 91565 74729 59608 74255 48498 98392
34563 40333 75925 23361 11757 53969 12039 91544 30495 35499
52532 26500 09030 53503 01912 33746 64868 20095 18658 70308
81264 17153 15171 88200 43351 70707 98436 81507 92332 15657
62355 91776 71179 18002 67667 51397 60268 46789 70414 69651
26397 12943 84870 91134 33624 17190 91888 81216 89348 74244
28591 18254 24097 05455 20344 97217 28423 17092 40957 74441
95389 06471 12044 08162 42043 63094 77478 74557 08332 56998
13885 63958 56909 31499 63106 86913 22245 42513 97573 44821
82494 11655 54536 44789 52559 85286 00059 63419 21780 16717
08763 89212 84683 13725 70207 98268 38253 18613 57883 42978
44119 12956 21736 58386 79147 64252 90155 15925 22829 56659
92391 79188 54935 72987 37300 41456 61855 20161 09382 49634
75068 15322 68052 44314 90183 74762 61051 70630 39974 72877
87973 39605 19865 63329 74813 44674 89290 79598 45500 63069
97377 57126 01331 96755 06368 44216 44253 32608 11249 93903
04942 26506 79001 53960 61587 41054 55920 97235 60346 91591
16432 59518 73399 80197 51863 77100 55528 22368 22581 41245
85181 96058 21950 11723 00940 67775 25548 56628 69329 75409
24068 10654 44930 72487 63350 68996 08691 63549 39986 59111
95423 85310 25915 57477 46375 13327 20475 43565 47852 98829
53322 08214 41805 65417 86673 58572 19333 20311 90296 86823
33025 59838 87702 94860 89098 73847 96950 92106 05251 78730
14537 08669 45176 33756 15775 91009 65678 20379 70121 72330
37319 89231 94881 34838 24538 04484 95732 06110 36185 40239
67496 56712 82396 08686 53605 91287 98763 24664 87700 50281
23714 36343 65792 64498 40062 76713 22425 29685 16649 15549
09285 93313 11028 16561 99687 70763 19111 29407 67378 33082
82733 71248 13091 33518 91065 77555 37292 65011 36805 26830
82561 65822 13093 68943 94032 15504 62098 11776 71341 88382
11188 45846 10514 56749 57636 11616 59232 60949 87814 39149
33923 88550 41779 14841 72088 29780 59215 54862 18340 01419
67661 90050 67554 56345 98961 91897 13600 20903 44869 94350
77061 27295 87759 46413 00000 +++++ +++++

11079/9162/7509 kHz, 21-01, 1015/1025/1035 UTC
30487 45696 22231 56186 51648 28699 94218 55996 24957 41043
57506 43058 27339 58158 18218 67886 85863 62819 02403 96640
85885 29633 97238 10895 38671 06898 79057 41496 19428 50507
01616 03690 11681 89592 43064 25702 18942 28592 35040 87966

29588 15433 22334 15188 45917 30515 26551 88414 13285 76182
12219 69325 10288 71370 78776 53917 85914 81117 26874 97757
54610 35623 72428 80024 85180 18550 06876 98489 44493 29249
27043 12656 81892 48598 83092 77221 65279 63140 17971 33066
04783 27212 96795 47939 24974 67747 49624 24051 71548 61446
76033 14742 63422 38985 84964 17416 26167 95982 68244 34938
67743 15374 31248 22678 82444 30908 29123 63374 94007 86442
82015 37034 73820 70730 67740 78023 95164 32375 15334 36568
09427 04658 47912 86820 55227 94908 48293 48712 36388 18121
45809 47131 00000

96058 44660 39129 33839 69537 35346 08932 64225 25886 26997
55669 35168 41011 75284 13445 70877 79395 94786 90962 68943
74365 54071 15704 64999 70179 79866 23528 24440 99358 37496
29607 40881 93723 79777 41657 46037 52543 81560 01383 60718
16270 02101 65090 41623 19257 42447 59392 03628 19937 90043
72950 22241 31865 48053 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 22-01, 1015/1025/1035 UTC
No transmissions

11079/9162/7509 kHz, 23-01, 1015/1025/1035 UTC
No transmissions

11079/9162/7509 kHz, 24-01, 1015/1025/1035 UTC
00000 +++++ +++++

11079/9162/7509 kHz, 27-01, 1015/1025/1035 UTC
87975 58819 32873 42676 16141 64622 32381 20688 48708 40689
82261 34936 29624 20876 97487 63679 42145 56319 82931 52241
92751 53706 18486 07391 26786 72240 37650 59005 80521 02742
16757 74955 99346 77303 17034 40154 76747 82959 46676 35701
93779 77794 35141 79059 63714 32925 36818 11211 11549 48807
06302 41715 43071 19288 12417 87622 83153 41857 83209 67167
87983 97520 99081 34187 60899 48748 76253 64197 26530 28914
07753 28071 42923 21691 54104 14247 56349 53815 00916 85412
28468 49670 25551 80599 90543 21125 40061 98622 04404 91060
02588 23811 34820 74034 14396 79947 63003 62497 44749 23388
95895 92024 50802 11264 50962 83987 84695 05721 21142 89099
05053 00140 49677 80282 35050 78257 69483 68284 34267 42139
86764 38493 76482 69937 13549 32369 50625 89371 78838 21957
27049 77870 73065 50892 56329 25305 05530 40355 92772 20267
79513 83394 59811 45811 14763 76080 99485 95614 72016 58901
73195 46478 59276 66855 05909 48113 24498 11671 91011 16160
64399 44594 97993 39350 04072 73181 50153 36784 27073 30528
64504 26231 60700 20381 71088 89405 46125 86565 53854 45159
48082 80169 80321 66510 83791 22913 12192 02468 75809 90150
14107 90571 58492 61941 02739 71096 92760 15618 03404 38853
68852 58302 06374 93522 01751 22798 40092 74465 48977 75297
03467 90940 05433 08346 24432 83669 54977 17494 36970 78691
83439 85082 93774 19432 82735 19590 56749 87941 00788 23990
32523 51227 16938 91537 45173 93615 47526 52452 63343 21097
11344 19903 23945 48572 09631 08751 19625 05952 00310 25488
42193 24037 71153 52800 99193 86125 41559 77197 45805 56279
47625 33148 99267 20182 90214 62154 28011 99543 50699 10210
32676 25967 04063 12067 61225 85229 84052 35766 25313 67914
80079 85848 10126 87320 70532 88703 94851 50603 22209 08482
25996 94065 10555 67006 10705 18557 40380 66137 22307 85903
71756 35999 35236 62304 80782 57540 31553 19650 09889 32837
46220 30678 87391 01590 43342 18922 20967 27252 40553 49374
94739 01223 23727 70819 24672 38541 19216 45755 51942 63531
15792 28855 78995 08812 53482 79902 77966 76134 21491 22134
26139 32471 32382 81926 48160 39790 64731 70780 69663 41968

91411 95513 12021 57263 35713 07624 82885 49791 22492 27740
42223 78447 16510 06121 48528 46703 65184 05117 14889 01725
87908 14544 29619 56237 79149 35904 21113 31589 17494 96399
71637 45439 97853 78657 09733 92511 28985 77120 35913 91857
63539 17038 61358 99055 52820 96985 64276 06789 43427 40865
93638 82246 57994 70304 74953 14769 27182 33420 97790 72189
65143 50846 89718 89310 05621 65004 06370 36933 40883 49419
00000 +++++ +++++

11079/9162/7509 kHz, 28-01, 1015/1025/1035 UTC
04712 93264 41403 54324 31750 66393 19308 17936 84218 20610
48872 53779 81556 88039 40412 36838 90747 38934 96815 14740
90820 47898 63444 50983 57750 62169 88282 19446 05715 51637
90774 42336 45635 45289 62803 88795 46931 83765 50218 76338
13450 42716 88381 42299 09481 06653 90151 77496 96811 97964
09738 39291 68755 90807 30883 86217 92086 64540 52796 01395
92827 76396 72268 96890 46817 58087 85432 16230 61006 66016
57575 77231 56404 39790 34464 22373 88639 48724 93605 68858
67036 31019 58892 75573 58176 55305 27058 69135 84868 59230
79393 50091 00000

15323 37228 04737 33399 63268 25308 23531 02435 99308 37459
32216 26434 26766 34992 35864 98309 22967 43389 31091 22208
88996 44796 87299 13482 18289 64764 99117 54614 45014 57912
33457 24291 58184 22201 19652 41804 92416 96512 56085 93973
31296 21211 31771 36776 84275 66389 86304 88872 23047 57471
56637 59208 88319 52862 84098 75897 02952 53349 80115 08546
52361 47917 74055 01238 18165 51065 00000 +++++

11079/9162/7509 kHz, 29-01, 1015/1025/1035 UTC
75538 17745 38507 28089 15534 28778 91818 99752 71142 52156
29818 67446 58945 42047 54659 73563 23995 64124 71736 05207
77459 27519 68191 80481 96858 29764 56365 59504 49834 19406
05626 97298 27403 05986 11019 80779 97604 72068 72162 17000
15513 67012 80840 64864 50517 87161 40728 27474 16840 72156
67669 47317 18204 72037 43976 71471 42607 64844 25156 79012
68120 29388 22524 87822 65667 02887 10131 82973 09715 78150
29445 33890 32803 20005 90223 92458 84868 05648 91014 89287
83284 18604 07726 70297 64567 50995 23697 40834 73672 93791
99712 09479 51835 19742 07393 48768 08875 88659 74405 14982
90913 29773 14926 94209 79447 80800 43793 66869 82690 88458
97791 07870 05155 00084 12499 64614 06380 01050 28143 80010
84769 77679 22893 52696 47452 10328 97036 51657 52129 26330
56466 27427 31814 67502 68924 87057 38440 51876 91440 25045
66236 34363 92394 27398 40835 96028 16644 91046 85036 16672
67164 25758 97173 10391 01620 30772 03007 28819 67322 63322
67098 61735 23000 41243 74591 89713 20822 46846 19341 68522
47118 24250 59323 49938 45221 87362 25276 68681 68879 80683
93494 50145 39675 60142 58725 18623 06877 86125 68094 10702
33180 45910 02013 23524 54757 47678 12984 52596 89064 53298
58269 98842 88840 42060 87327 49578 65731 22564 69986 63097
31986 34932 76271 11563 33651 10546 43825 61885 73709 81488
93875 99275 48600 56879 81663 23160 46549 08293 92290 70151
81159 31451 17908 43753 58686 76362 77190 55487 02450 63117
63042 07147 82807 25506 29449 68834 26131 49660 53439 32500
01228 99905 33072 45649 06638 49000 07408 54918 07251 54959
09376 14194 93674 51654 87502 36980 62794 45359 57417 97682
42961 34451 69078 11510 12249 94434 00673 47679 83216 95491
15093 55600 52601 44734 39969 08747 39409 70356 57161 95884
59799 89861 12664 14349 12245 29568 82862 45065 71368 87562
58071 13993 13912 57304 29295 69680 25279 54061 89147 31629
60070 11358 82876 89133 55066 39644 70414 55305 18093 64344
85404 05961 41194 85498 02143 58056 11564 26168 46358 67361

18673 61798 10784 50060 81014 47730 61451 57965 40928 87036
45643 62031 00919 05889 37441 23859 99917 28616 81815 59871
52932 69672 23180 27858 02497 84680 29363 90567 55389 47740
46921 36034 03036 47205 48743 59340 49041 17091 59872 35482
92290 46329 72490 38042 39050 33027 86001 83347 42515 75944
33147 04807 93229 20362 78093 87102 08832 00529 97436 14946
96540 45884 80048 16061 86847 43232 06704 03099 61827 72066
95443 44162 26520 55217 23585 16632 96815 92028 62335 23986
02279 66237 84941 80284 27353 45745 34311 92029 39386 16479
61040 92068 76899 17510 67797 05234 96559 69644 20982 50417
02271 52431 00000 +++++ +++++

11079/9162/7509 kHz, 30-01, 1015/1025/1035 UTC
42605 55483 25606 62634 93539 70383 58567 06371 39977 06857
90023 47275 53539 74463 99974 21364 69364 99151 44505 15767
31673 19883 82654 21848 53122 54104 47529 09516 80097 93003
66343 46160 81165 12495 59067 08658 00851 10856 70379 61886
45930 08964 14609 02171 96441 74072 38350 89113 58581 53055
30439 14243 01686 26064 33990 79913 46480 16528 40156 86894
96790 18450 68330 54091 31890 26910 62448 18837 01690 82740
58098 53071 00000

01613 39737 39034 95922 92446 10908 84479 94041 52248 29661
45635 80037 99628 35128 23510 60689 52160 08505 65762 57667
10061 85230 96333 99441 34508 40304 10804 41812 69017 88940
48403 71729 77329 69740 76628 74114 96235 02574 49391 66352
26783 38351 24637 30137 12294 42881 52378 95385 76641 81993
69069 55878 21220 00126 59275 21327 04035 09550 70556 35556
49366 32427 92511 15490 61437 62894 35928 90621 40519 41342
72957 47659 24916 58101 24268 10039 07272 28702 04107 06985
98620 07907 59212 11807 38639 34700 62506 54131 75522 25419
47513 35732 63926 57223 94436 04677 54413 09078 03836 67450
72843 54101 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 31-01, 1015/1025/1035 UTC
00000 +++++ +++++

Pacific schedules

1-8 January no F01 transmission due to Russian holidays

13370 /10614 kHz, 09-01, 0230/0250 UTC
Idle carrier. No message

13370 kHz, 10-01, 0230 UTC
00000 +++++ +++++

13370/11538/10614 kHz, 13-01/14-01, 0230/0240/0250 UTC
87333 13210 46634 89556 86128 18573 52565 25628 52765 54146
97352 59078 42090 83685 22408 85121 45963 20467 39013 59656
16322 61366 92452 88669 55924 59308 18036 77103 06454 82542
31204 48140 88669 34168 18909 68825 74306 30347 24437 42986
94389 60652 42899 57366 13667 78979 69527 91922 25846 98463
68013 30221 49308 88831 51039 30861 28016 99644 90209 45885
67264 57846 97562 97083 58997 13072 45854 46161 76354 29142
19797 19677 42148 45193 15440 74713 00954 54872 29889 16209
49493 77026 08540 01874 05021 16350 42019 95660 16368 37396
30022 55692 47368 00413 54232 67606 87317 32429 27509 59247
68186 32036 11533 57640 93245 31294 20092 74194 06818 63205
50210 29059 59815 08196 08286 50579 50779 18031 23435 10790
47091 40616 65244 82881 16038 94114 08087 31571 20445 63809
09222 72328 58531 20170 92844 60381 52700 81537 57281 95445
16941 69885 47519 53119 57530 33071 60255 78863 86720 32044

73645 05534 54108 16422 18960 80368 25363 36890 36311 12403
63005 67845 81653 76213 88928 38746 77245 32964 33340 97574
22748 54665 99816 54880 09158 62594 01172 81816 02768 15817
45789 60623 91319 10738 79155 10992 09566 77635 10242 40737
86401 85089 77439 94231 80778 88272 33733 97028 98562 82018
55807 20114 07544 44614 06753 12221 92779 83254 07085 73657
19453 17090 93745 70067 95438 58814 71782 09569 50768 80723
88388 31720 76170 76181 83996 81726 87884 52439 00110 68347
10933 15735 48557 28928 98033 34617 71865 50001 26350 92431
49427 16885 39253 64898 29161 90732 25298 83733 89347 36456
51590 72237 60325 49961 93737 63791 60741 58148 29569 39208
28036 90090 88806 43866 47857 42854 75895 70559 12087 90375
08149 19018 60168 08847 36424 68018 83420 17042 40503 21032
97026 55020 16365 11345 09393 49649 97540 77594 43551 40379
77744 45639 90302 63711 26949 77728 97785 19789 18189 74890
27161 69563 06767 43472 29093 35959 30534 61789 20720 07478
20975 07805 67803 67690 44737 33777 01738 59032 16326 98828
26114 34366 49634 95350 92511 54725 40433 43327 00000 00000
+++++ +++++ +++++

13370/11538/10614 kHz, 15-01/16-01, 0230/0240/0250 UTC
23521 20839 72372 51857 68822 28745 15662 70985 97316 32631
28008 26491 89705 98872 30619 46063 67720 27517 55638 24974
55450 52644 16702 22577 80595 42431 78015 51489 39120 16117
07919 89126 71703 20048 27855 66304 25456 29983 92680 12562
99321 71873 63273 62922 56613 78271 57351 55760 33112 22579
89459 76475 74163 98315 36054 26650 99233 35588 86612 23380
17324 71960 66729 58481 81716 15908 44113 72228 77462 98026
53435 21352 80072 18222 00961 45942 08830 46018 34905 64980
23168 76221 92448 55166 35558 91084 59350 92729 39335 93192
03096 62923 74900 30233 65515 66878 82744 53854 25823 80506
16724 79788 69984 45146 16021 41439 27388 94630 59249 54103
60731 48468 49107 32034 20063 25829 01048 25519 96931 60014
34384 70165 39561 18105 89278 65580 15009 55469 18040 25634
29221 59827 24185 67491 40947 64548 47682 31600 30433 35879
19833 49827 08840 63777 36210 03922 79320 11058 21108 41500
85697 00513 81927 41738 09670 44722 76949 47961 02501 48215
44913 09309 25805 51278 23821 98672 91507 92973 79635 99094
99536 04392 01606 75807 29805 51278 23821 76100 28804 91260
35277 24219 89113 19046 43574 03455 28644 06386 93468 42647
91847 51891 34738 49249 83848 95412 12800 56180 73411 76649
80518 74622 25701 42687 54650 69969 50762 34152 65345 03100
78656 04658 72157 04182 97206 53250 44995 71172 13267 74519
33452 10220 23465 56085 72953 60141 05366 78118 01155 68177
64966 94616 83035 09198 01495 01095 68116 65552 75410 18392
28251 09760 90584 47282 49411 57206 26567 73569 75924 81060
81886 28360 30579 06577 14335 33197 59057 44257 00000 00000
+++++

13370/11538/10614 kHz, 17-01, 0230/0240/0250 UTC
00000 +++++ +++++ wrong 1000Hz shift

13370/11538/10614 kHz, 20-01/21-01, 0230/0240/0250 UTC
20-01, 0250 UTC. No F01, TX issues
80380 73211 33245 94475 39294 48288 00214 37717 41109 03700
00957 14658 74671 29364 86437 67211 59946 52173 02084 50607
88594 82940 39535 85910 55262 16545 56460 52855 90529 40445
37884 90206 31469 31182 97447 95832 90725 43559 42050 43658
10077 22182 48309 59716 09402 90051 24272 24455 66994 93896
54821 93512 92170 10925 54207 54128 76085 46701 74145 59391
31724 78812 40924 07510 58976 26026 19943 58276 95758 47628
31143 03945 41104 02621 63741 36676 61157 23467 63729 79754
14029 84082 92554 74772 54419 66747 80436 41943 03983 57631

22747 55758 98336 25618 52854 03160 46677 64127 70152 16419
64927 00600 05858 97910 68357 03352 76440 78971 34615 40485
96691 80022 73106 70523 91735 64151 61657 69488 51119 01346
36400 24077 13481 85545 45823 45646 55210 71724 04912 84683
81558 25879 10329 50458 43624 00202 02568 65526 29655 90351
86011 09795 04105 17481 42849 33822 92879 51725 01763 46040
38217 79639 45152 00000 00000 00000 00000 00000 00000 00000

30679 35921 77076 11036 13933 79978 23305 06940 92551 45041
90799 66919 63098 41543 44782 57396 34215 70381 53200 10364
02176 69449 63109 24068 48027 68070 16613 61436 23492 85284
86031 44702 17834 32918 33010 69653 22869 09375 21226 87956
38301 95090 37405 30972 84586 85583 00326 73522 19501 23041
62495 61034 47597 12375 34194 48492 48751 32691 84564 24657
52979 80109 99447 19969 93699 02859 00632 21577 72654 14605
56230 43943 06656 96936 36845 28440 19347 26941 97233 70403
70182 90825 88135 97045 37792 69507 27976 44706 99931 07112
89111 08837 77201 98317 78319 65192 32725 55495 16210 85643
44968 41597 45249 97055 95894 79474 21092 56676 41634 74390
66892 42458 57867 09270 95295 81765 77096 00016 27793 66897
60002 21006 66128 30857 68070 36969 95438 81824 29674 02146
23823 19750 16800 12679 88027 83582 74609 23161 79927 02093
71016 63272 73497 48171 58475 15470 56960 17624 65155 39629
99795 83315 57712 55613 09306 96663 42811 19683 56407 35381
99621 55686 75363 20857 60450 26982 67120 53595 81703 60014
60945 40166 72374 55489 14058 10090 72236 48086 53927 46111
96927 00640 92946 76272 92120 43733 70143 01263 63959 96642
99640 55439 77958 30559 30536 24988 43536 60039 47896 71646
26394 73615 69556 35434 55900 39504 18396 14823 19697 47340
46210 00000 00000 +++++ +++++

13370/11538/10614 kHz, 22-01/23-01, 0230/0240/0250 UTC
71071 17961 93290 00236 40951 72079 78389 52863 12728 38885
75771 75183 94631 66252 33371 24710 38478 09413 83179 15571
60770 55264 56543 63759 12748 91315 22617 48118 29027 67685
92132 97979 09562 25619 53706 43401 14579 90933 34835 88940
77194 55847 04803 96902 63396 97633 61654 90991 34070 07511
70452 16319 88767 28242 44983 16690 95905 23850 90106 15114
39067 29909 46945 08481 34115 57831 08081 12325 96783 51600
94974 16632 65454 20383 14766 38616 08790 95457 38659 83405
72921 84892 69087 48581 47870 24423 87818 33493 57903 47947
02220 39305 05492 26100 31846 70695 23577 46323 02547 75159
15825 32877 40291 80846 89553 30234 81869 18865 11024 98287
44697 41002 37783 92816 22870 68791 07744 29634 01688 34862
89695 55877 07821 02514 24917 76850 37301 74452 14605 11883
28546 26619 32775 77621 72576 28057 69354 22203 77635 32755
33124 58748 30390 54394 69219 71600 20900 59943 70867 93767
23542 43048 90048 78977 51085 63127 76776 16817 24091 61147
01669 64362 47162 00000 00000 00000 00000 00000 00000 00000

62174 40948 05628 49230 23936 84379 63400 78573 60067 47183
63433 85278 08624 76733 03121 33929 55580 93210 09904 69418
38853 28462 29324 25976 37189 89181 34663 44108 98597 17836
25350 31380 88029 49794 06323 27986 58971 90074 65538 63043
78667 58163 91813 12545 61627 74338 00185 94909 91129 85931
56975 65067 33404 56971 21755 93018 74168 69642 48389 37802
32226 10996 12346 52811 29791 43355 56469 83395 24251 81849
72393 42683 31032 27512 59791 76568 92270 29383 30637 53791
70974 74054 50684 42051 75354 26096 35329 56104 43025 67792
42063 88755 39752 11638 26694 60712 52439 84020 55518 50212
81041 03541 90643 88380 59091 02386 90645 31246 57524 64217
93734 44351 51498 77000 75638 60905 54879 24203 99378 99400
52097 62819 99120 51645 82054 61644 65307 77142 53764 98243

23233 64753 98421 38045 22279 47584 87588 44001 77967 82031
72171 90256 34044 26930 21899 78254 36758 83726 65963 78720
38550 83637 92534 47970 73309 32708 77820 91960 70407 50720
64367 76539 55689 64895 53284 07324 64601 44304 24080 27641
85661 85945 08807 07977 41445 88428 04185 25361 59273 74175
26405 56141 72801 46109 38298 30559 88687 89743 03552 22593
29534 56631 47666 73485 45275 90080 30333 72400 10225 79114
58935 42648 47944 51570 97838 06915 51133 42312 53178 29931
88729 97473 37815 62019 17404 00668 46164 31960 39630 32116
48220 00000 00000 +++++ +++++ +++++

13370/11538/10614 kHz, 24-01, 0230/0240/0250 UTC
00000 +++++ +++++

13370/11538/10614 kHz, 27-01/28-01, 0230/0240/0250 UTC
27-01, 0250 UTC. No F01, TX issues
63889 76727 91999 25630 14539 59867 00419 47631 05614 28282
46268 88652 33934 07754 41843 02035 00565 50349 56237 52079
96129 29773 35875 35429 01467 13381 08334 18948 70804 46794
49160 92554 89636 12049 16360 60418 24499 45217 82256 18988
06824 24435 17391 95262 18067 64283 06168 43760 68292 77451
98922 25610 85393 89622 30108 18219 57161 18524 57270 28935
93352 53066 00530 11154 99986 93525 87218 06306 83018 38696
31397 60158 23602 30949 02916 86870 92125 95148 65709 79245
93197 32342 90027 88601 58783 54177 68272 22721 31664 68983
89133 35290 06431 55446 49722 05295 20171 84816 10372 29784
10056 77594 21803 78452 80008 05625 79343 83482 43646 75534
83883 63068 35671 54463 14257 02079 08911 24010 40737 38277
59192 73340 34329 27551 45232 67398 51560 86585 95733 51144
99430 36406 20881 75769 10248 95246 70416 57824 80988 94167
05479 07185 56918 13870 76412 84818 64128 66125 23706 76256
20684 68292 44275 91738 81079 84319 90261 28950 93676 30697
92531 59293 75820 70789 26080 23638 36320 45976 59510 48472
99976 17060 55785 18409 13854 14351 16434 65973 39969 19890
86406 64616 64106 30237 61754 35884 75415 73259 67337 06689
96518 77364 96733 77611 68774 16613 31546 88179 22419 80142
82287 90057 86247 39353 18038 64076 16543 11278 77062 42056
49924 41583 75565 19351 09810 55640 56782 69047 21184 51095
47589 93767 13347 30383 14823 76006 15343 96618 38489 12938
73757 61306 44058 46630 47552 37305 61025 25621 59651 15478
99936 58758 09947 48477 65048 47283 79414 90096 44826 06058
80041 63617 47461 09901 30231 57612 73593 25953 60386 72610
43430 18016 78360 67093 20444 33803 49455 76235 98845 11037
70658 01842 47005 63332 43803 96908 24031 31800 77350 93260
11665 13311 71459 45676 28708 01366 66056 90973 20152 00485
56577 45455 38203 00083 07065 89189 57382 18751 15333 10526
90910 54884 09853 09321 00534 04595 83074 82274 17004 32849
90861 38851 13389 08764 72719 21186 98396 41001 72520 26450
49320 00000 00000 +++++

13370 kHz, 29-01, 0230 UTC +++++ +++++ +++++ wrong 1000Hz shift
11538 kHz, 29-01, 0240 UTC +++++ +++++ +++++
10614 kHz, 29-01, 0250 UTC +++++ +++++ +++++ out after a minute

13370/11538/10614 kHz, 30-01, 0230/0240/0250 UTC
35461 06364 54353 09770 29533 93546 23506 67331 04357 42890
47029 72367 83742 96265 23405 37973 11547 39935 93784 94091
33461 57206 24009 91391 85136 12833 45329 98603 47596 73824
77249 10494 55875 96386 80942 08673 71816 33647 16659 42426
56960 43884 03592 21752 06484 03918 05608 39787 30091 57375
91300 66823 90835 52499 41799 83085 37773 49196 04764 42476
93410 00015 18012 84452 81873 34736 51214 36248 08731 03256
39090 72602 28426 56470 04544 25209 60231 69822 95185 59045

38686 39226 81664 57796 09437 04027 91254 85542 06433 76710
75134 16903 71396 84036 32794 52826 01528 49281 42014 64212
36360 70280 67836 30553 19717 72970 48992 65782 97706 45091
85193 48517 38685 79760 73751 98883 86128 83603 68944 69112
80361 29105 62579 40087 10058 55907 09182 41042 79475 50702
44246 34594 02346 60441 69001 34282 58360 18520 00111 46829
73195 88645 07748 56287 08006 56067 90495 92270 69336 20856
60500 49456 75367 72920 37303 50539 39460 53455 73821 69840
56916 32494 62878 59735 05897 57270 97747 47108 98446 51064
85131 92018 42543 67222 34027 25751 01130 28045 68899 10454
59047 03223 40617 87547 33821 07509 33570 07087 91232 22323
92425 55273 51609 70961 16944 22288 97780 02113 98300 77662
20626 61363 95351 45334 63161 55370 74273 95617 49098 38407
60024 96243 06812 75955 73053 89673 24655 65036 49708 88868
98564 15966 69766 08704 57879 25224 39533 75221 80328 94127
50230 00000 00000 +++++

13370/11538/10614 kHz, 31-01, 0230/0240/0250 UTC
00000 +++++ +++++

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

18277 kHz, 17-01, 0720 UTC
14983 kHz, 21-01, 0800 UTC

F06

Link 00000

9064/6787/5452 kHz, 04-01, 1700/1710/1720 UTC
11122/9425/6787 kHz, 05-01, 0830/0840/0850 UTC
11100 00000 17648 04003 02919
63418 49377 85368 43604 87629 04229 55844 13305 03877 29952
35717 12983 24060 40912 46101 69675 65666 11040 64145 81605
57181 44650 95879 76153 96724 13378 79622 20676 74850 13907
93398 53324 97436 26194 64801 26088 69617 76864 06718 77221
26687 37475 27392 75258 22907 12322 88226 01793 14171 95491
07779 65217 95445 01841 35391 62606 78942 01576 42881 31937
23942 13149 07743 61815 54222 34135 86278 50925 24018 14785
00123 34364 18454 03939 84571 19058 99388 21997 72172 95454
32605 40628 10003 17666 57288 73893 34078 69255 83722 10499
49324 56867 30154 41837 88558 98860 34741 65522 48910 01161
03554 69099 29113 37502 80532 23617 16129 76252 50366 41753
94509 21011 10214 80174 76959 57151 71211 90825 79526 21528
75702 50830 89855 37497 41129 25693 01949 82466 66518 45489
15867 80150 62507 98731 25807 34719 90838 73599 45002 49028
24266 01217 40869 94121 62806 80672 78849 22188 67282 90466
98384 40164 96080 16063 69444 86166 56074 48248 03077 75950
03644 31983 14382 11565 56727 70417 61381 69411 03854 13784
08190 09881 21075 87825 85945 75761 32753 41476 49940 71600
77129 18460 56362 41215 62618 82502 07122 85530 25760 50848
36167 87943 26769 15762 35753 39385 43623 58706 46080 80287
50620 86883 56754 01622 92344 46831 93497 72217 88986 94749
88556 84527 33943 28258 58232 36046 69639 09269 35979 88554
52516 32652 34510 72387 43109 20399 35339 27907 82167 45957
29207 01369 38742 18424 55819 37374 41186 81299 16344 35089
27003 05472 57091 60420 72476 81130 47831 31335 88029 38292
03175 18518 90237 50628 20456 28539 86440 02279 32560 61735
32894 22344 99127 61987 52388 16741 84573 00572 22276 52104

96367 61287 68859 71432 81995 19041 29046 46154 08056 29072
65238 94315 69925 69011 44380 19560 05419 00965 17103 03289
00000

9064/6787/5452 kHz, 11-01, 1700/1710/1720 UTC
11122/9425/6787 kHz, 12-01, 0830/0840/0850 UTC
11100 00000 96417 10004 02039
12647 57467 60758 46353 10857 95246 47678 92842 11638 85248
50340 80242 73295 87820 89592 83379 97867 27679 36656 71514
72454 19298 33794 80454 73528 07232 89695 58202 38932 44822
66743 70076 37227 59718 02379 74243 89100 79650 31718 03595
20511 16902 03643 14912 52252 34897 07524 91250 55642 45367
52779 08493 29000 09520 68456 01984 74621 41638 15016 94217
80924 38572 25512 69485 39460 83539 18356 06440 51472 97684
48847 04503 03702 37823 91663 65064 18106 63817 71493 13397
05201 24025 84000 72232 75699 32243 74312 22942 90139 34593
65209 15244 51189 89794 52211 11386 68309 11245 07751 75742
49474 44356 61603 45751 99626 77589 49791 45143 30560 10606
49116 25391 11911 27995 39537 46314 17958 52005 61555 31792
49904 72705 60820 61501 38337 79044 37114 84632 55551 39206
39935 66514 92420 03735 77835 04085 79514 29841 33725 71151
57132 50346 03320 79369 23954 35683 98916 65882 18997 22407
85691 43561 16550 06648 42705 74775 38791 25938 65803 54643
15771 77862 54595 14681 47436 48951 50704 82811 47404 52281
19479 60654 73151 97188 92343 04032 72325 39557 11981 17644
99849 86112 47537 99838 85522 51152 72034 98413 56787 89155
19175 63397 46369 51712 61727 07729 39461 42203 78684 11803
40149 04201 00000

9064/6787/5452 kHz, 18-01, 1700/1710/1720 UTC
11122/9425/6787 kHz, 19-01, 0830/0840/0850 UTC
11100 00000 02581 18005 01539
88632 38110 31441 81547 43039 98650 09417 11366 09685 09031
93835 29944 54420 39093 11917 38391 82861 92286 32732 16219
38335 89128 53280 95476 91326 08194 72169 72886 18867 76802
11822 64637 97303 28612 75161 33562 56877 70279 47703 43347
71567 24407 80996 19492 82616 40929 18353 21691 79187 94160
48792 57324 84591 07661 00154 90758 21515 74130 07303 28129
54686 62509 16370 82297 34431 29465 10971 47678 89528 77472
71325 39609 42837 26657 02234 77963 48102 92595 90834 19694
71395 87263 80079 69973 65620 85309 68881 26657 11523 22859
74847 37714 23640 21013 20552 76350 44632 51252 29286 63484
76428 84912 41209 92276 21625 93942 85857 34399 33581 95105
71927 32730 98634 54834 80292 10161 98890 96916 71169 49203
29014 80195 41392 22087 65460 38485 92714 76031 11586 99870
97086 03380 67076 27600 69843 51289 95126 49738 86737 50650
85818 69784 05762 68942 39114 75426 79692 16693 15932 87635
70286 05151 00000

9064/6787/5452 kHz, 25-01, 1700/1710/1720 UTC
11122/9425/6787 kHz, 26-01, 0830/0840/0850 UTC
11100 00000 76389 24006 01759
33720 47597 68295 83752 22835 62124 77391 70035 50749 46596
36265 07023 49069 06576 85394 35454 88264 03281 50187 53934
94147 04708 40322 34355 18737 08715 08938 36639 07707 49028
26392 96229 31610 20083 48240 82776 73052 81660 82152 53454
87014 29241 83437 49337 76502 41022 33873 08287 50724 37527
83516 92777 57966 14758 60199 56104 10371 36811 76381 95395
42788 98913 88051 64897 72905 96799 85377 47937 54827 63373
19769 11015 43304 58595 97063 88472 10794 23531 91509 71151
84536 34495 60236 97507 95840 18228 62902 70591 58768 14051
16205 49355 20392 93925 37941 87703 49829 76368 60309 19748
58233 95140 17133 14678 66922 08669 34700 49709 65848 61121

80901 74524 29581 31086 52358 65668 83001 28779 04229 94310
33886 27727 52371 55829 14576 41865 02561 34654 99919 83972
86451 02787 93659 66405 08950 75466 00483 30036 36715 72390
25881 12375 82453 57945 71052 90764 64703 58870 14994 61631
47790 82814 00995 41695 91655 86194 69714 02093 66226 64818
06024 71357 10032 65693 91807 68168 37735 43465 81912 49834
26290 09923 45421 06173 00000

10175/8153/6807 kHz, 07-01, 0800/0810/0820 UTC
11100 00000 34169 06070 00939
05259 69916 17932 71705 84384 68428 24812 77226 65145 25786
18346 73459 63264 71757 78119 87031 30310 31348 39961 26150
27711 88625 83866 64022 62590 59650 67350 49321 58851 41655
40131 23390 61962 30695 01111 48877 00856 24936 83570 79477
55430 69501 11148 87700 85624 93683 57079 47755 42048 63057
06555 14197 17552 56953 76583 60329 94475 04423 85905 55397
54978 47098 71865 06997 16405 43550 61565 96905 93971 76480
76598 48488 56525 25252 64435 27395 48800 70934 92413 55254
78620 26060 65263 41038 92478 06275 52098 59790 87933 86064
33827 70091 00000

10175/8153/6807 kHz, 13-01/14-01, 0800/0810/0820 UTC
11100 00000 13254 10071 05579
50841 66063 07167 21929 88495 42636 32589 67222 32725 86863
40529 97867 25328 70127 74781 42279 30628 00241 80439 31086
02525 25496 67886 35797 71580 38807 77257 09904 44299 42893
48094 55874 31812 62425 23851 66446 50138 14095 45960 13692
59215 70515 17127 84259 32891 78927 38558 84253 77054 20609
50797 62177 38103 21955 32869 23380 68926 53153 39404 34443
44601 75398 80442 40952 44973 22568 73598 47073 46331 28324
23282 30399 89340 34547 06655 90472 15443 42068 71005 54447
88892 89614 72251 88307 46628 71920 09233 87104 43168 32931
33494 42617 82702 95049 39243 11908 55594 10346 63181 35184
21446 44686 48868 76415 05949 30702 55339 85149 03685 50551
14641 02945 04069 34394 67985 62882 82629 85535 35198 55570
24809 68166 97158 60096 74462 18631 95921 63359 24260 66176
82188 16215 90169 74107 64844 99871 37203 37290 42221 00990
48629 96943 19795 18895 55822 58645 43991 53370 70948 24509
06796 46441 89668 75449 00847 76615 56048 64490 29711 28986
06866 07040 03020 89666 37498 79074 71150 37964 56576 59181
79154 34761 21602 75373 44608 30508 72707 42631 89075 41301
06739 02108 77871 66443 58876 97932 47816 45970 83942 52538
27662 81529 54620 26478 80887 69100 18742 73638 25537 16950
82854 27809 10804 47289 14242 81531 55036 05058 78586 43173
74857 22269 55467 83165 60084 11367 98875 05329 74140 86019
34941 04245 84634 32793 14044 94596 53816 82140 59523 23412
43568 52147 80138 01168 14648 63465 38499 12671 24846 48877
92638 93659 55767 05929 52911 84073 22904 66060 21422 93915
48702 78685 06149 42647 03302 33644 26971 58062 42643 70474
55778 45570 98621 47940 57838 63817 00977 72241 26637 67608
35617 07367 29352 04039 69049 16000 05164 72791 93612 04439
83582 86532 73198 69951 14986 92339 94149 74011 30548 40106
51019 89852 73753 08851 21885 97772 70679 26877 12894 26634
31232 46722 76741 64985 98530 60821 34760 90262 88627 68835
57306 89477 87737 32581 82139 69863 99183 79484 75475 82887
57231 40521 65406 10086 50010 33554 02360 84152 18698 28031
26314 43718 25170 51953 45423 45256 05288 27081 55767 80559
50019 43289 56891 73215 81581 08026 42846 52531 16788 31802
73392 28325 34794 35660 55078 15049 91419 91543 86860 78649
47242 31523 49965 04637 01654 86803 46680 10766 50051 42454
17752 52797 06368 18795 93088 96754 58118 15393 55452 56125
46155 78578 21822 17443 86318 78441 72124 02679 75167 06244

80013 41896 46975 28163 25389 54591 74196 56341 93341 63161
28561 23139 89208 86943 45014 69561 24432 90256 55665 83773
52906 82880 85954 50659 62501 96418 30202 98346 51443 84974
48750 52642 44257 23587 53870 35321 26938 02846 76622 67193
06050 43153 31869 61898 21443 77030 23612 21355 67265 72949
57854 68817 00967 99092 55167 80455 44977 50494 80151 01416
10748 87999 29980 57290 99843 62478 49214 96930 61777 22730
63071 27552 13259 30514 46340 28055 48573 31149 70128 51509
95746 53121 93627 52740 98204 35121 93088 01939 26611 03974
45188 70255 50562 51876 06978 98299 24838 86391 59606 83486
69885 51632 07993 47169 51236 44079 53651 67494 87531 71456
82841 88918 41846 28122 37241 44318 76005 85386 59326 50643
72577 20225 29646 64032 54225 30794 38179 05347 55114 12209
56957 92046 24052 91006 06151 37361 64062 41748 30793 02667
38061 34171 30343 14038 95346 84365 08262 78891 98564 08373
33798 63667 55860 01676 33171 18477 87885 93000 52331 59668
84362 45874 58492 46233 29881 71555 00000

10175/8153/6807 kHz, 20-01/21-01, 0800/0810/0820 UTC
11100 00000 85269 17072 02139
55684 78281 60263 57458 16403 83720 46984 40157 32692 65777
93419 18614 84027 55881 02003 06443 20673 91367 64463 62549
13506 83340 94894 25261 68393 07295 76608 15296 84800 14927
14925 68521 63328 90567 13129 84433 91866 00697 13742 01301
65047 09946 72320 33897 16681 62050 55963 34779 69873 49185
83708 65029 34509 18101 51014 85413 06776 86531 05512 03885
50436 68285 66211 40371 64520 30462 03354 94787 67134 31241
21098 29208 50067 11675 10221 00134 83887 39916 63031 01800
78218 31334 67675 06448 26868 92937 24020 12518 92518 65560
48316 36683 10655 62231 58807 10665 17404 26176 59490 68781
31011 56886 64206 37148 41596 77691 28251 60476 88907 43273
79689 27414 32755 10555 67572 80347 45793 21413 69223 20626
83374 70638 23808 45123 10120 57590 84350 75092 87933 44981
05403 63239 55117 73223 08534 89951 51293 03785 92853 84639
67813 89981 82731 33094 28344 98653 29920 56834 29312 31152
12245 75349 94905 17085 96085 87201 26311 79253 54793 30909
49876 93213 60268 11547 93882 89909 89858 04014 48628 74805
15784 68898 89488 61963 69265 41876 67659 46495 96551 82574
98259 63840 49021 93863 00490 09283 74560 47477 69518 16173
02398 76929 84810 16272 38578 23652 84550 30663 14273 47290
60883 64667 54110 36094 55629 05200 56710 78354 61186 44010
04614 72211 00000

10175/8153/6807 kHz, 27-01/28-01, 0800/0810/0820 UTC
11100 00000 25047 24073 00919
28107 79791 21032 83528 13539 56524 87623 06408 54006 71549
37795 90608 32257 01661 45829 34080 45722 47471 57048 49748
65546 72297 00999 25150 03526 80593 02376 70848 22887 15631
88145 49789 53865 81093 14306 04813 99991 16293 60694 26493
46049 79685 67315 28499 03619 20371 10602 22662 55170 42272
43059 10935 82619 90678 44723 36441 91292 15839 59872 60780
65247 93287 17431 59805 14872 05608 58504 55033 02710 15295
19478 22895 58443 83430 44119 48996 18976 13844 23121 19600
54548 27442 84529 67483 66829 96406 83480 14399 69913 73089
00000

Test transmissions

6791/9067/11122 kHz, 05-01, 0700/0715/0730 UTC. Message
6791/9067/11122 kHz, 06-01, 0700/0715/0730 UTC. Message

6791/9067/11122 kHz, 07-01, 0700/0715/0730 UTC. 6-minute transmissions

11166 00000 12457 07000 00039 12345 12345 00000
Interesting message serial #0, and use of 11166 priority for what would visibly be a test payload.

6791/9067/11122 kHz, 08-01, 0700/0715/0730 UTC. Message

Link 09501 Pacific schedules

1-8 January no F06 transmission due to Russian holidays

17532/16351/14428 kHz, 09-01, 0100/0110/0120 UTC
11100 09501 00000 09035 00049 00000 00000 00000 00000

17532 kHz, 10-01, 0100 UTC
11100 09501 00000 10036 00049 00000 00000 00000 00000

17532 kHz, 13-01/14-01, 0100 UTC
11100 09501 00000 13009 03409
84486 04818 34465 80611 15557 09709 94410 96753 73174 56447
91977 56982 01421 58882 38570 04131 18541 03612 19114 97469
69101 29571 83723 39799 03218 42867 15645 85891 62500 65308
67646 93219 77444 40062 84059 00899 05921 42882 50653 47806
67470 72332 39522 65776 53091 17458 41186 08853 15196 26338
01085 04498 67437 23944 02650 37716 49079 52762 64150 04032
33609 34606 41495 92241 86278 77049 54179 82897 00251 72937
76559 73445 66054 66396 61654 65965 54024 83777 89647 78443
14415 52997 58288 65516 24885 59674 57371 59630 40019 13536
94488 68542 22603 23506 64235 90111 61317 04926 78064 30306
04540 67343 96970 35380 64959 56303 34192 74139 74667 47574
20123 31249 95434 17269 46619 97504 13843 36263 32886 68027
75975 62382 80133 84293 41336 28773 07192 80955 60704 51902
84268 23386 07596 07631 07041 46878 18030 48778 78265 33451
18280 62644 89093 87179 45302 91894 17286 94005 89525 67271
84503 76959 14701 25560 39871 82718 34472 11236 62001 60465
50392 85252 96653 18960 81036 89391 72236 72771 36925 39612
60318 13613 20935 46847 73355 67707 58878 88677 16810 25125
89956 80324 37846 52038 71757 18387 37802 21813 79490 95783
40617 25895 04150 11312 34400 50415 79292 22283 28335 29454
91114 13654 92104 10904 51514 82102 70015 95866 38836 58486
87024 37529 35974 17109 88849 10439 20524 45247 83336 86134
86680 71368 75300 76059 03556 75477 11995 27701 39608 30022
81429 84882 07880 44818 30693 48161 11717 14397 96491 96255
95663 91248 65076 54449 31227 33374 03761 20900 92188 99583
31200 86803 99146 91007 18627 11338 38003 62209 39242 37327
82039 50391 07924 58576 72317 96079 78464 74788 36050 53774
90516 95033 47656 15958 83422 75676 62179 98931 19141 03721
75751 63906 81427 61504 92803 71776 43486 33670 04695 95032
21256 42369 09455 35232 54532 21616 27335 19479 83111 66749
91837 74344 10135 19922 20927 00666 69835 77565 98103 97656
41861 30765 18028 09782 79369 74482 76380 94815 43078 46561
08650 36530 58463 82461 07537 50450 38286 96645 73652 56115
37638 26571 79212 14280 33703 00207 49398 52490 09338 00000

F06a 17532 kHz, 15-01/16-01, 0100 UTC
File 44443 (1536 bytes, binary contents) Header: 44400 09501 00000 15043 00009

17532 kHz, 17-01, 0100 UTC
11100 09501 00000 17527 00049 00000 00000 00000 00000

17532 kHz, 20-01/21-01, 0100 UTC
11100 09501 00000 20010 01979
62215 56607 22391 81295 55058 91680 96884 73499 35374 92753
14851 02023 49857 16612 51796 77278 90012 92922 91779 73150
68199 73205 16005 88702 19946 11147 48152 93581 24716 35201

61136 80554 62329 99415 74971 73602 47202 23415 00450 65028
07620 57479 08291 79998 02206 33668 28485 91968 90789 88902
09486 37423 01861 70969 91960 03367 63783 63368 76778 86014
91974 89942 91921 44100 49228 85234 88013 95262 21364 41504
17141 28925 75401 68337 74676 34126 92440 25798 08764 65719
92434 17047 27173 97399 93045 51373 56207 34975 69775 13572
31347 88332 09540 00611 24314 25538 74903 11512 36258 57493
21135 01406 11741 26605 33286 35667 53203 97888 75480 05099
40617 75959 69590 88085 85990 96329 45502 70652 77434 64469
30147 60377 92460 41051 67487 55083 85203 96827 86656 52260
77263 85575 60417 10139 06845 08542 21154 96368 15882 68832
26557 85229 79843 39180 92217 89310 09901 91525 33291 36609
82142 61859 82433 28968 73534 48748 76205 42802 09296 68993
27101 58051 51398 18853 23429 26284 82860 14277 24197 13909
67533 08568 41216 81412 90054 10936 25587 84577 05679 54361
00783 08606 54646 86214 09486 71088 20797 80063 66393 54770
39107 92118 34166 56022 81842 10195 00000

11100 09501 00000 20011 02339
50764 24293 21774 89259 06500 13855 91878 90610 64182 40791
38609 81675 92400 75558 26823 24605 66243 90257 75299 79676
94003 35898 61812 24402 81478 07649 68139 72344 94802 02768
88463 08834 07762 00895 49570 85754 44507 21395 16321 42614
53621 37435 80798 46060 74472 51494 58597 65047 81787 61982
40665 23831 19383 75659 74164 99988 59002 45549 70761 59638
45178 39016 65799 47058 12073 65722 76794 70889 83231 20120
34671 54099 90174 18188 86206 39914 70784 33100 91087 70888
33407 59498 62044 83304 97621 61066 21484 84099 47600 81101
73069 02494 59005 20750 11669 33513 85364 14613 20132 15598
14849 58404 26312 09478 33401 68339 18785 70500 55151 76956
44692 31618 06053 95050 38153 39187 71676 94401 52683 08802
45110 91002 96046 93329 35882 33453 90999 80343 25866 26216
10333 61129 83095 42439 59688 38473 69420 05994 06550 65395
02953 47456 78871 32039 61234 63694 81774 42882 36067 35761
05738 51474 75935 84762 24742 44879 76967 70423 07784 95008
08371 61994 92210 19043 83273 36224 92307 16122 10917 82064
41577 72485 91128 16802 92149 52265 37026 43300 19751 16107
36874 03051 07688 34812 91038 04703 08263 90185 84984 32773
05076 80278 84233 66222 24637 71211 62245 61574 70738 62774
97134 80281 80008 59972 98182 65011 22111 67724 48064 94547
92988 50890 71741 71992 74633 26820 67948 25957 59780 82606
64217 29425 64992 34236 81372 65987 80551 69819 18436 98115
30614 11231 00000

F06a 17532 kHz, 22-01/23-01, 0100 UTC
fIle ZFD_044 (1536 bytes, binary contents) Header: 44444 09501 00000 22044 00009

17532 kHz, 24-01, 0100 UTC
11100 09501 00000 24012 00049 00000 00000 00000 00000

17532 kHz, 27-01/28-01, 0100 UTC
11100 09501 00000 27012 03339
39424 15807 12874 49676 94563 66093 97683 42866 17459 21431
59461 81012 73518 23598 55705 69647 55620 38024 93811 21998
86124 32641 69082 67767 54541 34959 93842 17488 33029 78296
72363 55867 36906 73117 01271 62589 22381 64394 00127 83985
38662 60948 01885 04026 76666 47700 57880 88060 81480 16767
37072 97755 20794 78343 24207 00663 26467 37313 46591 22840
51432 46503 84169 17995 09123 72556 42592 51556 87594 35328
93952 23130 55557 06751 14894 75771 02475 80124 76763 65506
79944 45736 67505 89552 36532 33782 49980 96663 63241 10497
86399 28040 91831 38455 83552 62244 13141 36963 38537 62561
07626 03490 89646 50229 05288 82068 02140 51997 17191 89608

43545 95428 05738 36054 28214 50402 85913 99333 35795 40232
74668 41022 33323 70869 30630 73671 55608 51593 51342 15739
23613 05650 20206 95041 05507 94272 20314 86694 50083 02516
57375 96453 47225 60337 58895 25404 95112 97381 41828 76939
78854 54891 65862 91961 90230 03172 14544 23235 43242 38078
71418 84847 65142 54931 83378 37703 67644 23317 28406 96982
28001 11202 29900 72521 34619 31799 84766 78029 76930 11633
97474 70104 84175 03225 37249 02953 42804 90850 60601 09789
47177 62800 66375 46818 63259 48577 75501 60761 09983 44478
52648 65851 87978 75992 11951 41237 10353 70448 74013 84740
15209 38357 66366 83891 64590 86882 84569 90193 59536 13877
56145 07539 25944 55924 74531 30737 50911 88820 95244 95061
74258 03935 11436 22779 64917 08887 51025 77589 36865 25979
62610 62907 84298 86819 82330 24932 40738 46573 98876 46445
91734 66280 58827 42256 95889 36676 79515 92258 93856 41959
61589 73014 10018 86928 18478 73810 76528 35947 64932 08129
34407 37149 31843 56462 91367 30349 99504 01416 41074 62071
66533 41031 73515 56153 96615 91270 31170 13344 10272 13596
90667 38351 13830 28592 74623 17765 82794 01549 23338 97297
41796 10967 81043 31777 08312 35901 76391 06334 92338 23096
01867 52212 69218 19839 21813 05654 67788 83476 63756 83279
41055 03527 72727 72417 11573 97328 33248 59809 08720 65162
88682 12331 00000

F06a 17532 kHz, 29-01/30, 0100 UTC
File ZFD_045 (1536 bytes, binary contents) Header: 44444 09501 00000 29045 00009
Binary file in attachment

17532 kHz, 31-01, 0100 UTC
11100 09501 00000 31013 00049 00000 00000 00000 00000

Link 10053

11525/10437/8137 kHz, 05-01, 1530/1540/1550 UTC
11166 10053 32147 05001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 12-01, 1530/1540/1550 UTC
11166 10053 95123 12001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 19-01, 1530/1540/1550 UTC
11166 10053 25813 19078 00049 00000 00000 00000 0000

11525/10437/8137 kHz, 26-01, 1530/1540/1550 UTC
11166 10053 32147 26001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 07-01, 1650/1700/1710 UTC
11166 10053 12457 07001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 14-01, 1650/1700/1710 UTC
11166 10053 14723 14001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 21-01, 1650/1700/1710 UTC
11166 10053 09345 21001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 28-01, 1650/1700/1710 UTC
11166 10053 25813 28078 00049 00000 00000 00000 00000

Link 60070

10177/9331/7959 kHz, 07-01, 0030/0040/0050 UTC
11166 60070 74523 07001 00049 00000 00000 00000 00000

10177/9331/7959 kHz, 14-01, 0030/0040/0050 UTC
11166 60070 15962 14001 00049 00000 00000 00000 00000

10177/9331/7959 kHz, 21-01, 0030/0040/0050 UTC
11166 60070 15948 21001 00049 00000 00000 00000 00000

10177/9331/7959 kHz, 28-01, 0030/0040/0050 UTC
11166 60070 89234 28001 00049 00000 00000 00000 00000

Link 70059

6925 kHz, 06-01, 0500 UTC
11166 70059 32147 06001 00049 00000 00000 00000 00000

6925 kHz, 20-01, 0500 UTC
11166 70059 34962 20021 00049 00000 00000 00000 00000

Link 70202 (Mon + Wed: F06a, Tue + Thu: two F06 messages, Fri: null message)

10294/8068/6769 kHz, 01-01, 0700/0715/0730 UTC File 44422 (binary contents)
10158/8023/6796 kHz, 01-01, 1200/1215/1230 UTC File 44422 (binary contents)

10294/8068/6769 kHz, 02-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 02-01, 1200/1210/1220 UTC
11166 70202 56412 02023 02139
75826 20738 35830 99545 62259 35787 24636 06985 94530 62652
37178 14197 20193 74415 90505 39610 72277 15702 80078 97211
79200 95956 64913 16055 31020 64464 61431 03211 62971 71793
69421 67372 42231 47353 78583 45291 68836 47752 29065 98228
26706 55645 24445 70617 45693 33754 20594 28117 60615 63754
38853 17251 78188 24711 76964 13815 87813 90752 16195 52239
77145 52673 48084 53098 38390 93144 69269 90950 76248 70232
17802 69700 53475 88893 49411 97663 34964 65164 77148 79526
16299 12691 22848 67396 47730 06331 53834 38109 89487 02480
03329 89000 59380 20828 97983 69322 58624 17232 40981 89488
86823 02383 24134 75342 82053 85968 67435 59628 46976 51005
09476 27860 46932 88035 97188 60771 90938 43880 48342 40537
31538 64623 85223 12946 44429 37524 62954 22723 73822 61544
40872 64184 54458 01176 70413 14410 46216 03255 97938 41119
42265 81451 05941 02450 36682 98126 41061 80811 62489 98236
02371 18011 36023 74974 88331 43838 68607 71841 25895 15289
31433 50826 30163 08630 84608 81393 68053 31471 06304 29948
24406 47057 82926 54488 93972 27943 46280 34114 47715 81262
68618 88088 46865 12754 51563 64136 03169 21753 69793 00673
08767 44324 55466 92634 84133 86727 34293 15630 17529 16406
49217 88057 94382 02672 32622 75913 40064 24298 13017 69960
24463 23211 00000

11166 70202 63247 02024 01199
56278 09557 09483 74358 37882 40804 54821 11318 97747 34137
84762 43713 04709 51565 73581 39082 52279 14831 75869 74752
23955 00671 46574 56786 81662 51795 39650 31984 19534 14529
40011 66394 50208 39045 08471 88762 15830 03145 44356 22366
40957 45499 95489 53652 69533 19305 70217 11149 53145 02292
31180 53046 82725 24005 75502 86922 80909 96324 31106 70032
97216 58129 23812 63590 73253 70072 94941 39512 70129 20380
74088 63018 75255 27636 36750 99566 30737 51459 01519 19531
50528 47048 46502 99074 18548 24495 49677 40652 84935 98829
82850 61577 02644 41724 13927 24098 71546 70791 97156 05401
82259 37421 56068 31017 76850 99089 88758 20017 68629 87076
50236 15485 88216 05533 91501 98664 48061 24117 00000

10294/8068/6769 kHz, 03-01, 0700/0710/0720 UTC
11166 70202 79462 03005 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 06-01, 0700/0715/0730 UTC File 44425 (binary contents)
10158/8023/6796 kHz, 06-01, 1200/1215/1230 UTC File 44425 (binary contents)
10294/8068/6769 kHz, 01-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 01-01, 1200/1210/1220 UTC

10294/8068/6769 kHz, 07-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 07-01, 1200/1210/1220 UTC
11166 70202 91254 07026 01479
24905 42826 48328 90225 71076 54328 01557 97359 23727 62542
67731 55208 55170 67388 13222 04483 88275 54776 00364 95794
45807 62028 08323 62747 59616 42619 50548 77931 94394 03674
55990 27776 65659 14647 06280 67178 56665 10641 46043 39862
63934 38786 08562 75391 26079 21124 23942 98781 15617 32433
01994 13651 98467 16437 07007 44841 90798 88820 66605 51444
67937 00510 81874 46186 05012 59634 30943 82088 54017 35627
83210 92354 87002 93881 66407 94417 60052 34422 53670 94082
77756 33006 62835 50709 62858 08116 85109 89359 60767 62256
85339 70863 33617 71014 41043 55729 23565 18305 12395 22834
90022 01247 60362 28848 50487 53110 55171 19307 79686 57759
42289 27289 46703 54042 58119 20629 94779 53557 12589 83596
93485 20239 80812 43992 17933 85195 71034 81588 34735 95233
61023 78857 99386 18523 20113 99916 94757 55815 59069 08640
65388 30675 74989 61864 27279 26145 00000

11166 70202 95147 07027 01779
89039 95705 81628 90545 38313 51364 04327 15793 72064 01355
78709 01183 22925 57933 86552 33007 84440 74248 95711 36160
84179 78652 75469 69640 54997 99750 65506 90115 46624 93100
53158 57000 44775 05516 38673 77465 89967 37896 93138 14831
13232 92544 38771 08777 30907 15875 06264 80801 65704 72488
48862 23382 86223 11518 17873 96250 82121 11205 29283 78246
17110 12633 76183 48173 26967 78559 66674 93086 54763 38284
91948 67472 40482 04485 54246 51735 07216 72971 09347 83442
11137 41281 03309 59759 47423 07061 08134 34515 29333 32173
86040 58329 82601 83461 37043 35251 22369 86114 09515 94332
04809 50561 78430 99584 70650 58843 20971 46745 22787 21397
44177 20310 05150 40183 44341 09245 75043 39096 02833 04831
86119 47604 48021 29080 24189 48544 38017 67146 63049 26020
43891 02187 32522 74324 38069 76095 15882 53849 17596 24557
18868 04892 16944 59851 77468 55316 90064 99853 96658 83002
66361 66659 37285 19009 10281 03280 93277 02400 39202 81834
26390 22677 79313 01695 50636 10735 64164 00998 83634 64296
05584 29981 07018 18754 91649 27175 00000

10294/8068/6769 kHz, 08-01, 0700/0715/0730 UTC File 44428 (binary contents)
10158/8023/6796 kHz, 08-01, 1200/1215/1230 UTC File 44428 (binary contents)

10294/8068/6769 kHz, 09-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 09-01, 1200/1210/1220 UTC
11166 70202 31047 09029 02019
44500 03972 06671 78840 17862 52759 95976 29450 77534 15405
86360 45952 77011 67835 74815 75109 34065 93711 28644 73429
06204 30467 59401 95632 26783 18567 12952 63694 43928 64934
30328 89881 29496 56467 59077 52236 50235 84591 19782 45935
18338 66788 57448 58971 63580 76035 32440 45579 94227 14087
30654 95863 38901 89545 97618 25047 86581 86656 26214 30792
66956 35757 52675 92016 38274 21330 40606 07667 74914 88590
57650 98848 71849 34540 74537 22796 08186 94437 41173 72077
36981 59616 19469 57504 93510 87583 77603 98159 39184 90345
75387 67000 83293 11892 95435 65459 49777 30775 99828 25491

81192 48730 16943 62493 97088 51265 88153 27551 48950 51154
29078 32426 38922 50796 85069 45742 94483 84334 85622 83804
16268 25522 27404 44475 41219 72234 40580 57559 88259 43578
18129 50130 78676 50545 12833 50238 48389 26130 31632 77425
94308 25862 82032 93505 21964 34683 50244 12030 86583 41113
15754 89880 44822 64634 32008 49435 59322 47240 27891 04730
23291 45079 09704 90069 97285 81132 68305 14511 75397 44866
21125 90666 23009 49797 43724 11262 53330 84898 70596 71882
34886 20798 69891 63348 47149 56692 21754 82160 26509 18930
54964 32449 69750 47180 21563 17854 87253 29151 14159 29199
00000

11166 70202 52369 09030 01139
52057 47533 68576 59904 11090 84718 91073 87564 86891 59325
82631 40609 41574 45950 11422 10849 63953 12486 10931 10807
17109 51636 06272 49027 33681 51196 34341 74627 57375 95289
18771 95772 54085 13758 85588 01762 41090 21869 30551 43420
07746 17558 74065 51478 26130 28366 64655 97619 75051 25278
16887 27903 25892 45641 94719 23228 63688 92353 76192 66539
41916 01509 60402 21461 94390 95685 02703 52041 52749 65072
89061 38294 42925 43604 85521 67238 59066 72313 23687 04106
38336 67074 08194 73410 85029 32925 57079 04579 17439 92162
11009 21807 35915 18398 72280 82849 35559 93745 59555 96423
11975 31357 89250 72904 33529 30468 19525 88024 78553 56148
17802 30111 00000

10294/8068/6769 kHz, 10-01, 0700/0710/0720 UTC
11166 70202 87562 09067 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 13-01, 0700/0715/0730 UTC File 44431 (binary contents)
10158/8023/6796 kHz, 13-01, 1200/1215/1230 UTC File 44431 (binary contents)

10294/8068/6769 kHz, 14-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 14-01, 1200/1210/1220 UTC
11166 70202 39518 13032 01939
79974 02944 98780 46795 75486 09331 91944 04224 47911 34086
10031 71953 01876 24537 85641 67863 76073 95611 75717 63151
33982 77171 66947 53148 36707 71990 34404 94252 46397 66562
64343 61665 33656 61932 77098 07609 87401 16729 11006 24724
50603 19598 53312 44332 30331 33212 28984 24246 55564 77057
83365 05819 81191 41167 19628 44920 61631 48006 76936 46524
42530 04691 60273 57599 43959 12721 57871 97984 33550 27418
07167 33945 13014 84271 95238 24089 66477 34348 04647 92332
44064 55985 40630 07608 79179 34936 00575 74993 62918 30156
71718 67960 24034 67427 68010 56417 87921 28001 42064 10243
13039 24443 33150 82998 28199 80878 37162 05499 19190 59816
09495 43937 38141 02745 36757 02245 34088 76680 38289 73383
28154 43866 83388 69241 81813 96799 35200 83839 31647 25779
57203 69518 89040 11160 43239 30807 28274 57502 57002 65649
11405 11803 91950 08686 23429 32997 87555 56271 16118 04913
62839 77919 83987 09878 53144 43861 20839 05150 61046 23399
30296 69373 57377 33759 88789 11239 93281 44107 84417 57539
09239 64440 80121 62805 52005 74017 74621 07716 35395 69039
59534 78458 05853 34245 96127 44241 98746 68125 60139 75131
96319 32191 00000

11166 70202 82154 13033 02039
62719 34784 95662 80095 13809 21893 93706 03807 04807 63985
64178 78777 05507 60680 33471 53452 15532 72089 87081 54991
44094 86341 50971 14848 31644 96573 20303 31167 55598 98342
90213 41434 87341 43374 68339 03817 92686 10608 73754 10633
92972 80449 52029 82394 29004 23201 61091 15839 95000 37577
07570 84419 34760 00256 38317 14661 17214 12413 16797 86839

33564 54152 39016 33415 83189 82795 68704 33651 40511 35950
96410 27868 19999 25300 52220 99762 81515 32064 26764 00229
43173 40041 80226 11117 93902 67198 44023 72386 22913 81730
44839 21053 08239 13525 05724 15410 31548 96980 03922 42927
11420 06110 90131 35285 72250 67859 98869 38977 91007 64598
04647 14909 88993 61695 03625 65443 60816 21140 25450 12329
57762 87129 04954 73932 67743 54570 68399 15239 59018 56424
13971 69034 79864 30842 91182 51720 31405 54016 08910 22193
55759 49700 26711 57231 06715 11318 09148 41820 95107 97615
47771 97854 26095 87779 80479 99663 70514 06967 62922 49784
37509 58186 71641 13426 40607 21461 43644 35069 74452 06217
82082 85627 44362 67824 82738 13610 15907 24248 60991 98729
76696 33723 83971 31393 27557 19409 37565 66497 45299 51949
82978 24990 84246 25885 82536 41616 08725 90846 99408 82294
73694 33201 00000

10294/8068/6769 kHz, 15-01, 0700/0715/0730 UTC File 44434 (binary contents)
10158/8023/6796 kHz, 15-01, 1200/1215/1230 UTC File 44434 (binary contents)

10294/8068/6769 kHz, 16-01, 0700/0710/0720 UTC No transmissions
10158/8023/6796 kHz, 16-01, 1200/1210/1220 UTC No transmissions

10294/8068/6769 kHz, 17-01, 0700/0710/0720 UTC
11166 70202 89562 16022 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 20-01, 0700/0715/0730 UTC File 44435 (binary contents)
10158/8023/6796 kHz, 20-01, 1200/1215/1230 UTC File 44435 (binary contents)

10294/8068/6769 kHz, 21-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 21-01, 1200/1210/1220 UTC No transmissions
11166 70202 51039 20036 01019
95521 92414 91338 68222 38893 23152 22126 46251 42373 71579
41192 35113 98755 36026 86933 35544 30546 98132 88129 69358
11340 23504 35966 83273 03705 44881 68642 15727 12011 20026
29523 31366 73633 81488 84757 52904 36971 20468 11309 45022
99727 71935 91337 30016 05874 93218 73861 39863 24743 53230
89642 34404 60695 74522 30233 40328 66780 95371 27125 90643
60847 44060 91919 69326 67530 42559 03492 90826 34549 81789
53040 69133 96767 35654 83007 56074 86440 06028 80766 53538
13090 15889 13047 29318 61449 92787 12004 91245 80911 09829
48901 99321 64912 76366 56319 20519 43706 95585 84834 36099
00000

11166 70202 63942 20037 02079
67888 08796 59583 59268 83807 49023 72373 23967 23439 89892
00347 32243 58347 89398 09327 67495 51888 71132 26325 85063
57200 57989 26836 42472 37171 15746 71451 76252 17309 61181
65231 92541 07467 14438 38264 63628 53353 00312 70855 47656
03756 28155 11783 73644 04437 05072 63055 59041 54619 62116
29616 51975 87010 98150 57422 15403 57298 71080 08338 95347
54056 91133 45288 40389 64997 95874 26099 64633 60514 11654
29466 71303 80438 31162 61494 79181 34964 61789 16239 19060
55666 24470 88684 92403 57555 07709 63608 09404 98102 06462
28758 48613 44182 00576 85781 05361 82850 52460 57351 21108
36920 28691 13915 10959 71250 75220 68513 31505 00701 00895
13106 56181 35683 48954 94827 50333 26244 61213 55637 63181
90626 64602 83774 78861 39236 34759 50468 93742 29959 16360
30349 12190 15761 04878 28975 77988 70513 19449 65932 83583
03977 21547 86942 24348 01883 59139 03404 90056 52050 41024
82812 10758 42475 71026 38510 99214 42332 96747 92168 57132
01819 52552 07484 37332 31791 01481 18482 79070 49114 05778
00908 58694 98686 80715 60102 22814 88042 11410 33834 96182
95507 37315 33501 81465 37817 34072 72153 93106 08146 47417

52765 92442 20489 58826 15206 16296 21325 87580 65334 16192
54503 58951 34656 50429 90286 37205 00000

10294/8068/6769 kHz, 22-01, 0700/0715/0730 UTC File 44438 (binary contents)
10158/8023/6796 kHz, 22-01, 1200/1215/1230 UTC File 44438 (binary contents)

10294/8068/6769 kHz, 23-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 23-01, 1200/1210/1220 UTC
11166 70202 85324 22039 01079
76866 15030 48052 15921 52653 66351 25483 01622 46062 18767
18619 43566 42090 55345 08197 47465 54426 45185 18022 98825
17998 74914 16159 87649 06227 03705 33796 21513 90176 27770
31474 75464 81785 65274 67369 52176 28367 97584 47310 50780
50567 27805 61219 67846 40966 42547 35676 78912 65514 87844
57267 74028 34984 95173 46442 45738 38633 18509 86527 52940
57257 68351 37616 09065 97829 53664 90004 68007 16907 67655
36864 06249 24995 78353 70844 24607 89053 09894 34284 18057
75342 25477 77730 87053 99775 47916 06434 88792 77992 78723
19533 51851 92318 01669 71595 02653 17809 81747 11209 77174
74560 95498 76309 16353 98484 39105 00000

11166 70202 32547 22040 02499
47120 65386 59659 19971 62467 85735 11406 88372 51165 54358
38684 38061 28491 97423 96238 37262 83112 70936 02445 44631
17167 04894 78857 00725 72378 77626 40631 73869 28151 49990
86259 02613 82564 14118 60075 01940 52222 36405 85927 25453
51887 99423 95500 00690 39832 72449 99694 79780 39858 65285
76507 72614 75909 45080 73863 54725 80215 20817 50816 67063
60919 25169 05572 49849 40101 48406 63762 77704 98162 04032
25413 88229 85488 30860 94037 21235 87334 61194 36300 10798
52870 09809 45680 97341 24327 63423 08582 51922 27177 75347
96318 29910 07284 94994 31416 96247 25967 86939 01666 89488
48908 19219 20378 16780 89848 25560 56254 96998 95009 71215
81334 94217 79165 77102 10440 08692 49320 81933 30561 17547
76921 47018 43631 82368 04539 33428 71102 65869 97962 06220
93790 24829 79641 45383 25398 71490 04408 68228 43175 20594
63432 92880 24143 64257 27327 97573 60324 41860 64355 55432
51408 97143 94671 49438 98305 39709 66538 97245 46008 53084
65451 40561 49209 16575 92108 78750 59115 33062 70169 51381
54884 79950 69738 99371 68130 25445 57499 59441 73934 77349
09457 71554 46796 56570 47211 04032 04961 12516 83700 26034
91568 22580 89357 82089 66053 42888 14617 48363 04232 02510
29700 75349 30530 58307 67626 46682 30764 52622 81387 08741
18935 40979 51216 50745 56457 81994 02889 40034 47275 06685
23004 42193 57284 09352 82169 80744 31516 27242 02039 16073
07513 01157 27127 48274 48323 34216 87356 73617 43576 90942
62261 49314 52051 03879 82783 46266 84189 40247 00000

10294/8068/6769 kHz, 24-01, 0700/0710/0720 UTC
11166 70202 30147 24012 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 27-01, 0700/0715/0730 UTC File 44441 (binary contents)
10158/8023/6796 kHz, 27-01, 1200/1215/1230 UTC File 44441 (binary contents)

10294/8068/6769 kHz, 28-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 28-01, 1200/1210/1220 UTC
11166 70202 41029 27042 00519
47878 94409 43062 14094 71968 19398 94101 16847 08984 47954
90529 48373 19305 91833 15318 19498 11928 45295 61226 76322
03848 00820 03136 30633 15887 46957 81028 43536 34618 96732
35793 73262 95104 20066 65054 23054 64121 78631 91211 50096
28547 86587 58868 21419 18628 45633 03842 27712 20791 42049
00000

11166 70202 73842 27043 03159
79545 71775 28746 55326 34989 82644 70395 95307 69618 09785
77935 01476 89192 83244 82833 12298 66675 46033 66126 37922
52600 24721 05174 62671 31243 29041 65416 72618 02281 78936
29355 69204 92625 82481 79915 54830 28124 13124 80401 01356
19807 59675 18211 37446 44371 47499 04513 15704 23598 54325
47070 45526 32379 69130 38394 02619 90037 67518 26412 51110
14651 02054 59849 39198 45036 30959 25506 54271 60107 33643
19611 48442 50278 86468 20445 70420 20608 97224 54428 64685
30369 21721 72844 23862 98728 10946 81403 05278 31234 62239
89815 47597 46781 72891 73579 48511 09765 19637 65164 89380
97087 12452 16771 17802 54722 96110 01863 24021 23508 97936
47655 72119 38880 45179 15751 71941 34206 00450 73104 02666
02426 88678 20507 23981 95678 13998 70776 35803 67609 90006
93847 72448 88028 31861 70942 42238 84639 83607 25001 48429
91484 79213 19582 52449 08835 60723 43405 65338 04179 01985
22715 78364 09022 11377 28679 68726 91167 11980 71983 41295
07180 22622 01828 92332 64704 88246 51497 06112 49344 33031
97707 20392 95767 34694 25910 21676 07752 43439 18733 56188
56829 93955 09761 67519 14242 83933 69837 96858 95879 17510
18060 06773 24900 37100 74688 14449 41703 92045 98120 45349
15963 17512 73146 43217 40397 22082 42652 97366 10961 07474
99974 73190 23151 68831 84086 56835 39119 49013 44799 49968
05264 45321 70173 75583 25007 92120 93324 80777 16424 67757
20811 47437 09435 99246 49790 46775 62225 63142 66133 98649
01602 06040 40682 21606 16949 33144 65844 84582 62498 38341
99695 96207 47578 74211 09807 92636 19547 85424 33946 09861
69079 53943 99877 51426 12511 29490 71425 87498 30919 43702
12992 46215 70631 31408 89721 83258 34843 07485 45500 40592
21037 72705 25970 30290 83895 47038 38754 04404 28383 53815
68072 96803 62694 03228 85942 47929 65754 48564 27152 48383
48955 13651 20179 62317 16816 14915 91268 16535 56263 26510
83833 66258 09206 43313 00000

10294/8068/6769 kHz, 29-01, 0700/0715/0730 UTC File 44444 (binary contents)
10158/8023/6796 kHz, 29-01, 1200/1215/1230 UTC File 44444 (binary contents)

10294/8068/6769 kHz, 30-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 30-01, 1200/1210/1220 UTC
11166 70202 70453 29045 03139
22264 61302 37260 58292 81820 76958 93489 72060 28126 67595
01089 76574 55446 88782 34171 98720 54830 53859 24841 01048
24148 52827 01396 91522 10632 33834 39516 98231 78131 08202
31132 32463 16268 64916 00655 88602 33657 05543 23250 54281
02418 35468 24863 29219 46126 72447 68660 76194 88416 58365
57587 52582 04419 85152 07725 95893 42211 70810 72136 61758
06480 46461 19893 37786 21575 40380 99954 81743 16150 69927
44609 57485 96567 77335 92144 67078 01261 70279 33455 02553
53246 53171 12245 65720 52962 60108 33552 29494 78627 25427
60246 39157 86310 52788 02209 76998 26894 68735 27873 38776
22110 71661 52818 95428 66861 12130 85100 38480 49988 65469
32008 32569 10685 82601 97930 23555 72743 30026 28035 75612
23823 54899 77417 35785 31922 36153 10441 49404 16246 07587
59935 74826 14658 63860 00943 70933 14898 85347 18708 55815
41759 42769 75586 60080 17409 67541 06578 23242 37042 98798
98144 06600 27053 43002 30033 21065 77917 07092 84761 93369
68963 91101 54477 19080 27230 51197 99857 75881 87589 69047
40756 95535 46336 88495 83271 17983 25408 05440 12929 75999
89448 21884 08663 83868 82886 00078 57290 28480 79219 77701
73158 86323 59694 30012 52650 14788 63573 89910 18253 91216
77159 61849 31850 98156 53795 90527 81954 78237 81984 70308
74539 07110 43868 06300 82184 57896 31204 63026 31200 55577

11058 61640 31428 44759 58396 11608 78416 19261 97747 87800
82628 86945 21146 88935 05405 68256 74524 38305 06339 51867
29754 12721 31779 55914 84516 10630 99118 68220 57196 95312
56581 63964 68978 74132 23183 24230 30340 99745 38550 03874
74126 04230 77300 22140 02397 02053 07648 74473 39225 22832
98943 88957 06643 59813 07829 75820 65922 45016 97684 43443
91370 86962 71070 79313 68837 31961 19845 19353 36108 34842
22639 54064 07394 50124 44393 44932 49074 79508 17619 49513
98908 36674 10097 78656 45890 15285 08682 34295 12927 71165
73914 45311 00000

11166 70202 95146 29046 00579
76493 52451 12524 04747 02447 85212 52131 85985 45646 91226
57189 10740 89292 21632 34056 39093 50288 18339 54268 13672
41437 18784 47068 66005 22027 02575 01394 70258 85219 22226
88290 99011 55709 85158 39660 60777 96056 79157 44303 23946
45164 58472 47179 56845 37309 32754 62827 38591 75190 26010
38887 20443 55402 97758 30651 46055 00000

10294/8068/6769 kHz, 31-01, 0700/0710/0720 UTC
11166 70202 64782 30016 00049 00000 00000 00000 00000

Link 80214

14471/12218/9933 kHz, 02-01, 1310/1330/1350 UTC
11166 80214 23459 02031 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 09-01, 1310/1330/1350 UTC
11166 80214 25861 09005 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 16-01, 1310/1330/1350 UTC
11166 80214 21579 16045 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 23-01, 1310/1330/1350 UTC
11166 80214 65241 23085 00049 00000 00000 00000 00000

F06a

13569/14979/16351 kHz, 01-01/02-01, 0600/0615/0630 UTC File 44123 (binary contents)
13569/14979/16351 kHz, 08-01/09-01, 0600/0615/0630 UTC File 34424 (binary contents)
13569/14979/16351 kHz, 15-01/16-01, 0600/0615/0630 UTC File 45425 (binary contents)
13569/14979/16351 kHz, 22-01/23-01, 0600/0615/0630 UTC File 44726 (binary contents)
13569/14979/16351 kHz, 29-01/30-01, 0600/0615/0630 UTC File 40427 (binary contents)

6815/5794/4816 kHz, 31-01, 2000/2015/2030 UTC File 44038 (2115 bytes, binary contents)

F07

7461 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2100 UTC
6979 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2110 UTC
6783 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2120 UTC
5841 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2130 UTC
5318 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2140 UTC
5081 kHz, 02-01/07-01/09-01/14-01/16-01/19-01/21-01/23-01/28-01/30-01, 2150 UTC

M42

16156 kHz, 02-01, 1300 UTC, FSK CW + FSK 75/500
UAL: MFA Moscow message to UAG: Russian embassy Havana.

UAL UAL UAL K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 14785 02001 04009
13839 34973 53145 18158 97212 03583 21593 20904 80955 09751
76715 52976 98913 63989 52488 66362 96550 96237 86669 65154
45864 99166 81067 25658 39686 68456 46678 40820 07573 50986
88373 62411 20462 36863 08822 39398 76283 56249 36342 75944
83722 66899 06364 57478 86308 43365 51196 18268 94023 03797
77773 48932 14622 35279 38094 67330 01839 03636 22001 01278
62688 58654 27032 56502 91021 70645 84996 68302 19552 59300
49987 60325 07516 00761 77491 58923 06174 23854 49320 36500
69320 31426 24013 82310 01014 07708 17424 24130 57692 97651
43165 49249 46872 69188 67615 98212 89617 94315 59147 29760
38969 09990 36294 80384 71513 44722 44528 66967 94285 21852
16333 05910 34194 75402 94272 47211 02147 39486 21729 46923
49080 97171 31010 26420 56060 99762 83502 91924 25661 92432
41563 12725 66798 07133 76844 81519 90203 08733 44718 05328
56736 05314 79515 00410 45713 58565 90246 89618 35441 55213
61496 25639 13149 25425 89184 88540 56500 19117 05881 31082
53877 76116 75349 70211 55614 51109 61028 48189 73389 79302
98117 11787 69930 93758 23965 82976 06260 30315 46447 19578
38627 81048 55024 89269 82355 82205 04151 05423 84752 47549
23752 98193 74301 83049 36419 19297 78307 43858 86052 03919
26185 19507 07595 38186 80583 58269 92586 05650 63524 66618
30195 11200 69751 44712 28423 05869 84472 43867 45185 60941
47689 56924 83929 64827 32283 77478 33503 41122 28076 88883
56932 11292 49019 68980 58831 50432 05725 21490 86102 09529
10514 70000 41624 02655 07169 75491 15616 82552 42583 63327
64372 53032 22495 70666 91041 91617 18485 50211 08139 80889
18435 91251 86497 71957 37630 43922 20321 28494 32695 57625
63045 24778 85545 69551 13681 96175 49549 04231 58339 65502
75082 70066 96615 93696 56668 63762 07526 28258 68879 18618
34682 47864 83208 57591 95390 26625 83070 37094 43370 66401
19149 92445 39759 70623 72250 20922 12126 58060 15876 63342
06141 39957 95680 70126 59624 08996 68018 62764 53633 13506
64754 26632 20296 15374 76535 96092 12067 55069 71705 17820
62096 72247 93051 03283 90401 55354 99569 06329 35529 18668
45441 86797 16383 30223 13397 46113 53925 39053 44668 45785
07430 75182 32708 44749 04961 20809 72866 16509 72792 76123
85211 31985 93430 68188 52682 19030 46945 76320 41761 34546
15277 72418 97854 10130 54236 99666 32566 57194 62009 38057
45053 42498 04790 30168 44653 70027 61465 65621 66965 30157
21647 47687 00580 02039 37118 90442 66632 201$4 99169 00000

CFM K
NIL K
SK

16156 kHz, 09-01, 1300 UTC, FSK CW + FSK 75/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL K followed by operator chat

11100 70103 13467 09006 04009
35136 68694 07402 15019 45979 02574 06645 18171 84998 56852
88316 49696 17355 86715 50195 82743 05054 58504 80599 16982
11838 92967 68412 97487 41397 75026 45632 96238 88552 28472
54625 17135 08125 79043 57277 10492 31163 54331 28220 07949
83227 93918 99338 13724 84403 68229 47724 13150 35747 29495
44276 84439 21843 43293 05141 24601 84164 74087 13161 25464
44916 23212 01540 60729 86057 42729 16893 70000 13191 73607
03890 50714 58994 81656 78656 93932 05897 89645 83144 24910
32682 29059 37634 34384 14696 59909 33579 11532 32367 32066
33964 14517 67705 86511 73376 39578 93482 19990 74958 74587

84773 61463 26463 48018 07548 33822 82556 09258 64001 99292
85594 01216 99313 11969 22037 11141 99515 25911 56692 10612
35163 32249 11985 20612 30494 23728 84428 62652 62762 10133
15495 81859 21438 33024 59062 52972 81953 53235 12636 05193
73694 09560 04526 26819 46908 72060 54164 35595 68233 38452
47761 25734 99522 46988 96477 27527 39665 04284 69304 40488
34068 51522 17835 25983 81519 17475 35123 70253 93087 31779
15809 53797 82767 96899 09701 88035 94546 42231 86003 05196
95591 08752 50376 12357 90229 37697 82011 45600 34415 61662
82922 85181 55387 21589 56624 17688 06170 58068 58392 56098
09640 50397 84297 53691 71822 01829 91195 72745 69120 94440
64858 93953 39149 62090 78440 77498 29877 54852 08465 11735
86754 93409 00516 10393 82516 36824 01823 44267 19351 12114
02931 18307 58110 79098 55640 30057 54276 28922 59398 70388
05334 39714 33343 52442 39272 37812 16171 79740 98873 37991
61032 89394 01504 61135 17628 31344 79068 52781 18700 69575
27836 50987 13111 16243 22813 76951 12685 34642 76355 46822
45009 71969 45704 28135 29384 07799 19143 89321 18097 29227
35440 15717 70219 68605 16298 90510 50116 64820 16465 64077
67840 34030 21215 60125 03618 60831 45876 92089 83592 45752
17101 88230 99041 70051 40562 48852 86222 63721 84754 84087
09059 87664 35608 05691 11843 65958 01584 71268 34150 29167
73943 04393 05140 54611 71886 39027 59448 14559 27237 61706
41839 68260 88366 49913 92821 58766 48047 30076 32410 00472
24913 03641 84210 68321 53224 14640 07033)24604 60620 57206
26211 44296 38550 46468 81806 24862 35062 01255 35913 91477
24647 12060 06210 33598 34817 92696 17987 33802 34116 39079
91811 74873 11238 43574 09019 36030 99944 38352 22234 14258
29479 66183 03093 31678 05148 02109 44362 14886 48769 74433
58634 57200 53671 58470 40804 99760 33931 41471 86488

18726 kHz, 09-01, 1300 UTC, FSK CW + FSK 75/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow

UAG UAG UAG K followed by operator chat followed by an incomplete message.

11100 70103 12489 09006 04003
00398 30050 65260 13981 35491 30461 56784 42666 52899 80681
90084 51706 68513 99393 29742 94843 80222 96925 06774 99008
56927 64042 81317 71513 43266 39342 98392 72577 91006 09959
10155 20383 53035 25256 63099 20820 00877 28189 73642 39143
51693 34037 40513 55699 15690 11180 67408 72927 99866 43620
94331 65820 29058 79924 61063 93021 70197 98279 51198 10766
70733 42357 90186 56828 47154 07652 95817 96684 84536 83009
04577 49072 33079 77009 22327 33121 12534 83902 72738 04267
60497 68783 41909 71108 85473 76695 42623 10423 10672 95339
46661 22500 19458 26090 58627 94008 38405 42998 29712 60557
18880 44471 34831 86161 03098 27311 61588 01784 85596 37810
84487 70149 06048 79581 22835 69013 34363 82812 05772 10081
34012 64639 92876 35746 14511 35315 23766 60867 09005 29867
95140 51732 37879 69934 88707 59432 44355 85466 98421 49808
12989 50969 30477 97172 07014 15991 74497 33985 85480 34541
69343 73672 86104 23111 11999 48783 84787 02002 82952 31659
67727 99640 86525 29816 77068 24574 29574 73217 16020 34814
87012 35630 24387 59254 27589 57250 60454 50804 98349 60786
50141 75961 91236 78188 89397 70497 40247 30202 10743 15933
22601 25952 49914 16518 62350 74728 73545 81373 59859 27164
53820 41503 95612 87996 01030 56356 81768 6

56927 64042 81317 71513 43266 39342 98392 72577 91006 09959
10155 20383 53035 25256 63099 20820 00877 28189 73642 39143
51693 34037 40513 55699 15690 11180 67408 72927 99866 43620
94331 65820 29058 79924 61063 93021 70197 98279 51198 10766

70733 42357 90186 56828 47154 07652 95817 96684 84536 83009
04577 49072 33079 77009 22327 33121 12534 83902 72738 04267
60497 68783 41909 71108 85473 76695 42623 10423 10672 95339
46661 22500 19458 26090 58627 94008 38405 42998 29712 60557
18880 44471 34831 86161 03098 27311 61588 01784 85596 37810
84487 70149 06048 79581 22835 69013 34363 82812 05772 10081
34012 64639 92876 35746 14511 35315 23766 60867 09005 29867
95140 51732 37879 69934 88707 59432 44355 85466 98421 49808
12989 50969 30477 97172 07014 15991 74497 33985 85480 34541
69343 73672 86104 23111 11999 48783 84787 02002 82952 31659
67727 99640 86525 29816 77068 24574 29574 73217 16020 34814
87012 35630 24387 59254 27589 57250 60454 50804 98349 60786
50141 75961 91236 78188 89397 70497 40247 30202 10743 15933
22601 25952 49914 16518 62350 74728 79

56927 64042 81317 71513 43266 39342 98392 72577 91006 09959
10155 20383 53035 25256 63099 20820 00877 28189 73642 39143
51693 34037 40513 55699 15690 11180 67408 72927 99866 43620
94331 65820 29058 79924 61063 93021 70197 98279 51198 10766
70733 42357 90186 56828 47154 07652 95817 96684 84536 83009
04577 49072 33079 77009 22327 33121 12534 83902 72738 04267
60497 68783 41909 71108 85473 76695 42623 10423 10672 95339
46661 22500 19458 26090 58627 94008 38405 42998 29712 60557
18880 44471 34831 86161 03098 27311 61588 01784 85596 37810
84487 70149 06048 79581 22835 69013 34363 82812 05772 10081
34012 64639 92876 35746 14511 35315 23766 60867 09005 29867
95140 51732 37879 69934 88707 59432 44355 85466 98421 49808
12989 50969 30477 97172 07014 15991 74497 33985 85480 34541
69343 73672 86104 23111 11999 48783 84787 02002 82952 31659
67727 99640 86525 29816 77068 24574 29574 73217 16020 34814
87012 35630 24387 59254 27589 57250 60454 50804 98349 60786
50141 75961 91236 78188 89397 70497 40247 30202 10743 15933
22601 25952 49914 16518 62350 74728 79

They then switched to another frequency: "QSY 25050" which I couldn't find.

16156 kHz, 16-01, 1300 UTC, FSK-CW + FSK 75/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL K
(UAG sends its message)
QSL 250
BK
QSA 4 QSA? K
QBN QRQ 75 K (confirms the use of 75Bd)
BK K K
QSL 1 K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 15963 16011 04009
20503 15888 21128 52319 75241 59776 32475 73155 22876 29946
17034 33166 52266 39905 63424 55794 57375 18141 82408 11529
49008 85547 87816 91277 65475 27498 50621 45477 11866 08968
68336 99858 82628 06173 16942 83808 47131 53146 77512 32268
02910 26691 94743 47103 26263 18152 29554 28888 74917 65442
12967 15031 22411 43758 93436 85187 28921 38424 94832 19902
78189 48306 87240 23398 35260 93227 17801 46477 04699 23826
53734 70445 93990 57288 54781 38017 11802 87403 17209 42128
55787 42370 56595 08591 69644 88794 21568 33547 74087 05316
55687 61628 01433 74297 49661 15788 88492 65030 51083 14726
07452 06864 23871 31147 39418 75729 74605 30700 20343 42471
27948 40813 13986 56431 38331 54894 91623 62735 70097 63297
23178 76695 63300 58731 09465 63784 27314 73110 10236 98616

89483 89518 47713 01368 70969 90196 90302 75069 66989 26506
46161 92228 73646 21808 21327 04196 28523 43184 22076 71720
57228 02942 06212 40149 43099 75845 12968 07673 62228 43009
26208 60090 51007 98383 50617 70509 98384 78776 05567 87424
80014 03353 66346 59615 76487 33538 07439 71294 42832 89270
27543 85952 21471 82544 61017 22325 15825 54170 05434 10932
66745 24691 19943 04614 98971 95408 74110 41523 29787 60436
51948 83973 57077 15721 40796 81628 68969 75988 59757 32424
42233 35523 07377 39696 21653 33737 33236 88933 97527 11467
63170 92590 23519 68924 32784 76413 42007 61247 08952 05704
09158 92583 03994 74958 36887 94652 12224 09331 93901 00713
23537 51340 33013 50875 93743 31280 36911 89707 76322 44747
99573 42059 45295 85742 85515 78041 63892 08778 34056 03112
78713 18412 00792 34191 44064 09684 53463 47753 06154 07848
64406 10822 01840 80864 66771 30822 51621 23093 66697 85211
51545 33601 28639 16834 93739 37545 76013 05937 70234 24057
74374 54781 39779 99068 89296 45795 62334 76516 36141 59189
30924 56364 63920 60991 55543 62877 40418 97422 78799 41588
30775 56564 27984 38393 86714 83239 33248 09215 88604 58065
66595 33665 07531 76593 81346 31157 79590 89490 56788 02885
09565 89691 77683 48132 46189 57459 03336 28325 96177 99296
05883 77281 69218 41643 82528 81085 71102 65286 71375 76033
87191 91446 25570 38079 23404 55545 25424 62223 96009 28938
33225 55281 93694 76551 20396 90462 35274 58025 21719 97214
21588 11629 96286 84749 42416 79889 99885 22699 74416 63549
98491 27344 05993 14664 77565 26837 57188 04817 26835 03878
86786 29360 05256 39259 03800 33626 15836 04730 25547

CFM K
OK NIL
SK

18726 kHz, 16-01, 1303 UTC, FSK CW + FSK 75/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UGA UAG K
QSA 4 QTC 1 K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 80247 16011 04003
21553 91050 96389 50240 69864 17708 19924 42885 26602 62228
13006 92239 50818 59115 19318 47554 17946 06392 08353 28142
58796 04394 88100 80572 14298 73162 10807 01200 16883 03155
45229 91211 34475 18929 13839 36382 38015 60510 18404 28724
78453 12124 02381 72214 84158 32969 23567 39804 14671 69743
35443 73865 31739 55583 00640 47303 73584 25124 84980 27481
43320 00355 05516 10183 47472 26966 31012 15769 45533 65874
58305 64732 96489 69603 12985 74838 13260 98225 47823 47029
60977 54531 37397 32286 60059 43133 92337 96643 80006 83176
41656 26526 34848 29357 56555 41607 16195 80922 14204 07382
24829 83347 24869 64621 86754 52382 70880 17921 64673 75138
30844 50515 00797 67923 87541 57540 51948 95495 42968 14960
02889 81437 88926 26301 68798 64320 06637 14429 22860 79368
93774 50516 09874 70292 42399 37410 31851 60984 16191 89584
16510 41770 00448 76861 04626 49896 23268 24081 17159 48940
71365 83928 88117 36839 48949 25086 74066 37215 53109 02903
76242 53690 64144 04778 36204 91880 74262 87431 90948 78745
03104 48264 98446 33997 73518 97979 69521 73240 46028 26670
67006 47544 35428 80540 58140 49123 57940 91471 31107 37822
82388 26597 11682 68083 83798 50087 40914 21099 22889 14333
99775 71817 99868 22707 91721 45508 55999 31094 19105 43559
21331 80382 14371 43201 32116 77096 11970 00849 66181 64362
71939 13738 69948 50391 91081 19557 75282 86675 62666 38745

29769 13073 70624 89162 88797 11974 29133 27806 42899 38741
03561 99268 78774 20608 73691 95614 97452 41212 25178 57381
38017 52973 80146 70371 80329 84478 02904 37934 25206 35088
41682 33431 75458 73921 92351 62554 66265 85436 95045 90203
18287 28771 99631 11596 11977 03047 60972 72302 06524 35815
49902 66904 51850 36834 90870 70940 67132 84365 62176 85847
84239 36182 19745 01579 79573 82463 30374 06582 42708 82780
25384 99827 55294 54343 10628 84581 78649 03712 93779 48594
73476 19144 14842 60411 00152 65785 90819 36479 73019 50868
10489 58744 67117 51125 40204 47425 00792 19593 26670 18644
42626 14003 07635 81617 16118 13934 66419 55080 00557 18929
91241 07632 51521 44752 25257 51706 89451 59982 18261 45832
29718 30118 15993 84884 52635 61400 47967 83017 36857 61520
99784 78952 04581 59415 80850 18324 52014 51329 23440 92754
63526 65336 74049 40370 32932 61503 62971 37410 40343 09890
63028 35657 58016 13558 73402 253+9 83653 68802 89507 28217
24572 79765 44821 50534 81197 69638 35643 50511 03302

CFM QRQ 75 QBN K (confirms the use of 75Bd)
BK K
(UAL starts sending its message)
BK RPT PBL K
(UAL repeats the preamble)
BK RPT PBL K
(UAL repeats the preamble and sends its message)
UR QRZ QDG 2 QSA 3 K
NIL K

16156 kHz, 23-01, 1300 UTC, FSK CW + FSK 75/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL UAL UAL K
Operator chat in FSK CW

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY (100Bd, then switched to 75Bd for the message)

11100 70103 15948 23160 04009
82562 10967 48219 33683 06224 46198 25607 11264 62334 55174
49602 11870 93811 81255 55827 83716 64758 39081 23043 23414
47258 97249 30193 80446 37548 67971 48420 35984 43786 74629
22622 29431 12580 73188 22250 31175 86477 04393 66042 84969
09602 90683 50353 68369 23614 84774 35799 44681 21197 05829
71882 04859 49255 24169 64298 22743 78990 80462 14597 72194
85081 50313 86904 79382 01114 90202 81380 08842 43479 25717
21094 06620 20914 67994 68022 49008 71871 69339 64846 70263
96913 53921 12235 67781 78310 84522 56301 08145 04028 51252
73929 82489 38308 93169 24647 84619 06015 88755 46738 10322
82927 76172 02279 01302 09196 89243 00791 82193 68113 20094
96190 64063 97413 44386 56733 12865 25280 70096 52625 06269
48241 95759 91006 27307 93150 89123 52975 68273 30443 22154
07231 10318 30837 23326 40927 33163 82689 08021 11651 10393
12180 73743 80863 18745 73514 68812 50825 04840 01335 74237
07508 25794 42527 05963 13228 81145 09606 75662 46828 42540
22873 70270 45111 79595 33532 36306 68180 05413 44946 54911
18411 90137 74226 18560 67709 16035 21346 45352 72768 72502
37956 91854 82996 14618 71095 50406 70805 32569 17984 41838
38958 08676 77092 39537 84644 54982 57652 85803 24994 60325
94830 86415 13689 92020 94717 94372 03388 26721 82352 18720
33637 08712 86938 19421 48951 59077 81465 74193 76764 84200
18909 28+61 19927 57000 32199 62950 43443 69368 90148 41722
60134 79235 26520 36028 44914 00698 84433 92575 32368 10656
43288 60192 77313 70388 20388 54970 83046 89906 64471 98992
26943 52727 83313 27109 38113 66897 72605 00067 06797 86706

38282 84926 30181 82540 29504 88696 24333 14887 24465 56126
56932 16751 36221 67608 80494 78516 30725 98100 70767 58679
74259 23033 00090 68899 52447 82117 99704 06810 28035 37008
92808 35012 29630 83747 99526 29703 88585 05933 46999 47369
66216 79543 37176 82983 38532 69370 52691 18143 30681 49971
05414 82586 18288 21108 57368 77528 37870 88588 68704 34247
73529 86457 52394 06362 12081 17474 40375 19244 83879 25810
90782 24988 31403 08909 91008 36392 72913 04443 36223 03144
53301 13305 88093 00283 99327 44572 43353 37488 21453 93383
66924 95776 29424 87659 69282 56896 53834 64610 32743 88749
90811 62965 16365 88648 12054 41866 94147 93077 07371 62352
06226 52388 51941 92384 27733 93884 15463 21343 85031 21717
55382 94929 73991 27033 61394 06424 60012 06819 43403 05222
64461 14868 80123 08597 67239 93319 70510 27622 80127

Operator chat in FSK CW, ended with SK

18726 kHz, 23-01, 1303 UTC, FSK CW + FSK 100/500. Partly unreadable
UAG: Russian embassy Havana wkg UAL: MFA Moscow

UAG UAG UAG K
Operator chat in FSK CW

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

11100 70103 _____ 23___ _____
91018 61417 44+04 74317 34754 72087 70585 55568 14629 64087
42428 25319 33728 31144 16484 66543 18912 42493 51058 81961
75837 67703 97688 53186 $+454 13115 49783 83945 28909 49699
84622 94606 41808 03497 32201 60109 87725 21854 76194 08582
81002 20021 35999 70776 67100 04508 99779 11496 16502 46934
17436 49077 856__ 13049 09475 59559 28008 76618 07688 09011
99902 72858 40979 71269 96986 71114 13489 61136 08769 71456
70344 31121 87121 54896 93480 14277 29229 41901 34961 74566
98138 32__5 57840 56925 41848 77439 52807 54227 96859 75770
64642 33323 87254 77400 03933 87357 54504 46437 42475 06532
222__ 24349 15809 84548 90251 77832 81314 02802 36616 92481
05317 59697 21038 91948 77631 37100 91783 87276 76980 71210
17614 86098 35_69 20006 43775 16387 7202_ 44470 66852 44442
38551 45763 89399 91792 0_2!4 25544 40298 807__ _6156 61625
71764 63220 83196 16144 68974 12478 46230 18442 3320& 82733
70386 39840 24439 65937 50256 02494 74440 00697 53171 89518
__220 07920 41169 48576 20057 92885 75087 06096 34709 38423
49226 $4339 90131 18898 30015 38475 52288 39681 97120 55870
78192 11798 103_0 0__63 28064 56438 51353 84533 35389 99016
_____ 14728 70831 32415 29844 05053 60925 54501 93758 73506
47496 78378 65803 34846 98736 82111 96248 66571 07882 45566
27849 24617 40422 30267 13610 25940 15782 81563 96371 40187
34421 37850 23648 576_3 86266 16521 96152 25580 01446 11351
73461 70390 29234 30992 85231 06463 56160 33267 21439 85624
99219 34955 00024 20227 35109 01752 35482 28639 51448 48087
56686 13825 30898 01510 47532 01086 04138 11?87 08737 40860
32622 35952 64281 34675 07058 29448 60917 26419 72547 10587
34176 26140 16328 45483 39317 58556 79040 97674 70661 53445
75479 45598 17735 20134 35746 32122 31670 73245 02755 95813
00298 01906 47019 88631 55366 09600 84665 09739 6032_ _6854
09604 10102 5-135 63937 75795 47596 ?5463 75774 90561 97272
52828 56253 04856 46495 79016 44110 11453 29627 13256 47586
86987 2__53 67601 00221 38767 ___35 74925 93719 42321 60670
64995 53824 80599 85658 82037 20145 20776 44554 42256 28364
89583 87594 54724 882_2 33120 05991 54092 41064 72069 51774
18548 68__6 88268 14372 71474 66908 03556 58615 90233 40895
36845 _3861 70511 62793 50364 48914 9672_ 61205 20982 72428

77557 93118 97576 63499 88153 96024 30376 62111 70587 36619
83207 14130 62864 23+73 6459& 70547 36808 74454 386$8 85630
07626 60306 02626 43744 86532 59542 35294 69338 49891

Operator chat in FSK CW, ended with SK

16156 kHz, 30-01, 1300 UTXC, FSK CW + FSK 75/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL K
QSA4 QSA? K
QBN QRQ 100 K
QBN QRQ 100 K
QBN QRQ 75 K
QSL1 QTC1 QRQ? K
OK

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 82341 30021 04009
06238 00799 92141 90968 67865 52116 27027 68901 35107 76515
91426 10249 75217 27035 09401 06!77 88845 34712 25069 92334
57959 16945 13193 61028 58088 82445 72684 56992 23315 99960
38946 90617 47460 22945 76007 40814 93897 87384 34378 88038
79434 24949 85564 30619 74696 58664 69183 64073 19454 73291
13609 28099 76324 77602 16092 50924 71298 00735 93296 45719
94508 89819 38172 38733 59701 01062 44120 33868 45829 01468
82382 43356 69214 23406 43584 39249 59715 39185 79381 05386
39331 47839 05139 94539 26688 91310 49580 20428 15845 42210
62355 39277 02848 30347 15444 00621 58475 00225 59358 72020
70620 16667 71720 67410 04730 60789 47506 33736 55750 83477
51899 75576 90021 08589 88319 22455 00539 03030 75950 68500
24040 55930 62660 39169 03338 34079 70947 64694 23361 05822
86162 64976 54295 50598 72961 75570 00323 96314 30911 69485
77340 51736 25199 54466 08137 26084 53373 50456 28434 53029
34057 76917 42257 61268 28576 04707 00053 58865 31426 52183
97997 23554 90536 30254 21939 16188 43245 66016 84398 59512
78943 59718 28087 49465 64309 54690 94345 91181 92084 24967
79987 76893 39319 10267 30934 47910 46026 53017 46121 07866
50189 17128 90087 79434 40046 93181 37698 21676 09604 19744
99426 50222 28309 75467 00652 27482 60818 21694 13384 15052
97799 00223 63880 05519 83714 15948 64571 75852 52499 59041
43740 29557 07107 46382 71397 19789 03820 86902 04785 70613
27297 00557 01938 38599 67277 45578 76762 81917 32878 33738
94046 29175 65429 38272 27854 65112 35786 24173 31729 75405
37046 55528 94164 17724 08613 59609 77753 11256 52548 52371
65471 61868 28151 55074 62524 65108 35681 56707 27207 54215
25203 01894 29194 85346 91444 08976 58711 77196 40641 47966
35033 47191 40279 33043 87716 11466 87701 09289 09047 40785
58485 38353 01093 89615 20548 12729 65842 40930 24120 53326
11837 31130 09070 70045 75746 55674 73881 90007 82321 58603
19944 83166 91169 62145 54373 39962 03778 95194 03932 80711
29229 15640 95446 01430 32047 43344 89439 85762 10611 45954
77927 37718 79565 44729 82318 14889 54687 32576 12337 66852
63611 21480 71926 08423 30889 61516 23066 82474 10793 98634
43424 91979 66316 63396 38810 05993 17796 07858 96335 69232
09609 32786 89247 69976 68369 72394 69351 45935 51064 28785
07970 32808 06574 73284 71381 85198 99002 56862 41658 24581
66269 96822 18862 94009 12385 31943 65517 24246 56860 63271
79311 41007 01061 72741 04954 68009 05286 36817 21131

BK BK BK K K
RPT K
RPT AGN K

RPT PBL K
QRQ 75 K
K
QSL1 QTC1 QRQ? K
OK
CFM BK
CFM NIL K
SK

18726 kHz, 30-01, 1300 UTC, FSK CW + FSK 100/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG K
QBN QRQ75
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
QRQ75
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 12457 30021 04003
24840 25169 38582 10105 43157 76358 60806 93926 32322 05169
83368 17170 90040 48059 03190 12553 95507 54001 05143 79514
96286 87648 21643 00910 85527 84158 50537 51201 36703 91627
10982 94605 88046 62043 41996 96603 93893 76722 73378 97276
85095 17151 23675 19894 05715 17180 04884 13193 18162 57497
38588 50787 93990 88329 13199 36639 32520 91301 37004 86537
74472 16388 66700 94520 02824 54911 16101 90172 48047 34506
74713 52738 39938 46989 90858 44992 73204 45085 99035 68800
79025 68933 96208 65306 19740 88320 96709 08193 48882 71566
20436 63431 03723 17016 94045 13995 22527 08058 69821 72928
03703 77628 91898 33250 49032 93108 64546 28098 58171 97582
02186 99575 66611 68377 65836 99719 44275 78819 15668 72037
96957 74162 34364 87047 37774 97600 00965 30263 20827 27330
19892 66050 54255 10569 34832 25811 34876 05497 82176 93905
71589 67044 63688 89784 89744 37455 43112 69736 33647 27587
96380 96704 09398 99856 70133 51611 35256 88796 28216 84620
91704 20138 90861 29781 88413 14369 96228 31482 90279 85704
39000 56172 69745 72401 65707 87755 77565 59359 31490 30130
49221 78946 47967 65287 89170 00981 76903 40411 00111 47815
49372 82426 49455 95452 15090 63422 90197 46635 51612 65390
78365 86844 88082 17718 54238 59151 23222 05878 79522 18844
42239 74737 47675 53785 62357 74941 09555 81429 61642 25799
81594 58435 70817 93103 28685 63809 32753 05344 38943 41533
59320 56720 32570 13592 40300 70425 71980 99350 84021 20604
65380 02223 94436 36454 80997 49551 14295 36885 14141 96659
89134 69187 74275 30995 31748 50134 84314 37305 91833 32972
09294 09795 60502 48723 56639 22184 64340 95238 15195 91621
28711 72450 25214 97375 14976 87242 96491 40256 61337 76399
16833 53690 81974 21053 18033 02397 04174 51065 00073 29600
48132 62800 71209 38712 79120 98710 24633 20422 86706 62166
21418 61145 70703 65993 69411 93743 38561 38124 36772 76473
43851 32828 01848 11102 20570 20934 98060 36105 92916 57505
46009 55916 65258 50383 89960 92138 21951 78056 80925 67668
91710 30277 73500 59669 56229 69873 28673 82328 07710 39186
39765 85339 85019 59575 23713 79038 43140 97432 44863 22146
35610 95125 63476 33038 14637 90335 26131 10494 78580 72197
40200 74848 21481 47703 99602 65500 64327 16793 54013 55698
72751 79574 38712 70553 90834 24111 07272 19208 45719 68210
34258 77109 02701 53661 80145 79312 75502 16338 35617 10756
21409 80634 87455 04450 75955 51640 73199 83509 06852

CFM QRQ 75 QBN K
SK K

M42b

Since the last week of December a very annoying strong carrier is interfering on this frequency which makes it sometimes difficult to copy this station.

5469 kHz, 01-01, 1535 UTC, CW + FSK 50/500
(operator chat is mostly unreadable)
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYR
002 100 01 1525 1357=
17292 38318 13799 04092 000+5 74091 00921 36269 29299 11510
84207 97496 60854 20246 18858 99942 22663 66257 98995 41587
32617 60855 19998 27659 36735 29777 61924 _8596 25512 54911
95960 61958 62184 69538 15186 54267 55244 21518 50070 55108
93521 17764 51198 72145 90709 97609 42294 524_8 00039 01115
=50=
90782 88940 08229 90433 25348 24167 97065 25549 64089 19952
40974 81119 80807 63419 39558 47734 27436 11023 12303 26869
92949 99864 30494 00724 24986 40249 33327 21830 36277 69864
40838 69103 23656 69742 7_028 88086 42748 70900 32319 979_4
38540 44142 78664 66466 69992 81290 63039 67521 91150 54610
&100=
-1537

5469 kHz, 02-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
(operator chat is mostly unreadable)

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
004 100 02 1525 1357=
66811 29004 584_0 73_29 13482 29779 24627 95897 25687 88130
27585 82471 943__ 53052 80968 86692 83963 46503 85469 93208
60066 16295 48056 39201 79717 82022 08416 02351 01139 76899
26099 77299 69912 83610 03416 39530 65966 05526 61764 04987
08260 99164 32020 63727 38806 42241 16944 13321 96390 38302
=50=
15215 98834 15209 64418 50680 73005 23047 75579 98431 39590
34024 29921 46561 43813 72115 26495 45167 59643 90068 30411
79382 83142 60907 65642 14410 36378 44904 10745 21511 20804
24075 10249 20312 94379 01252 50232 96695 42588 40193 38767
66804 35471 86958 49017 15926 25694 48248 67627 71388 12743
=100=
-1538

5469 kHz, 03-01, 1530 UTC, CW + FSK 50/500
AIFH AIFH AIFH DE CDAP CDAP K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
006 100 03 1525 1357=
006 100 03 1525 1357=
006 100 03 1525 1357=
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
00000000
006 100 03 1525 1357=
71718 42949 69510 32372 26502 33732 22495 43857 91845 88935
25198 54148 46205 84869 75372 07091 73883 66780 74726 20218
30388 58570 84575 83183 17989 51174 91659 42020 02459 16526
84504 57785 38803 96710 71349 25790 30680 05784 43443 96267
26170 02791 92152 36036 49104 59297 93321 54333 64580 03806
=50=
46676 22743 45780 03458 81359 37537 19376 11107 45533 53898

99025 17262 20179 71181 05658 10420 21145 88436 65874 86515
71057 07741 97213 71334 09988 48419 18114 02396 49582 15340
86197 95537 75708 30269 12080 29786 78487 17593 46018 07833
96604 84464 23264 2039.063786 59354 96058 45301 74721 14343
=100=
-1541

CFM NIL QRU? K
OK ZVP K
BK QRV K
K
R 121 1544 K
SK

5469 kHz, 04-01, 1530 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
RPT K
CFM K
nothing else heard

5469 kHz, 05-01, 1530 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
RPT K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
009 100 05 1525 1357=
009 100 05 1525 1357=
01321 90794 10626 52170 91293 78867 69991 21300 71066 73800
80201 59966 72584 80532 70408 07209 28961 14022 89459 05078
45185 90410 36154 28040 25290 19637 68478 19172 10847 56553
88807 03689 55714 72389 62266 91577 85787 48027 90481 88446
50078 79228 92382 02024 92432 84128 79097 86800 61419 01171
=50=
87199 82826 61861 56757 01044 03532 23208 82286 16894 96183
08406 80056 49969 97345 27208 61479 79030 73270 81189 37663
40060 84161 40358 11161 56274 01969 04060 73501 66803 45307
10500 12025 58348 61491 69751 22654 47419 69997 64590 47180
35123 25592 95966 94103 89049 97770 ____7 __01? 0____ ___53
=100=
-1539

??
RPT K
RPT K
OK SLV K
BK QRV K
RPT PBL K
RPT PBL K
RPT PBL K
RPT PBL K
ZVP K
R 851 1550 K
SK

5469 kHz, 06-01, 1530 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
RPT K
RPT K
OK DE QLO 20 K

5469 kHz, 07-01, 1535 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
1
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
nothing else heard

5469 kHz, 08-01, 1535 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
RPT K
OK DE QLO 10 K

5469 kHz, 09-01, 1535 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA1 QSA? K
RPT K
QSA QSY 94993 QSY 94993 K
QSA1 QSY 94993 QSY 94993 K
QSA1 QSY 94993 QSY 94993 K
Nothing else heard

5469 kHz, 10-01, 1536 UTC, CW. Note the callsign: AIFK vs the usual AIFH
CDAP CDAP CDAP DE AIFK AIFK K
CDAP CDAP CDAP DE AIFK AIFK K
RPT K
OK DE ShLP 10
RPT K
OK DE QLO 10 SLD K

5469 kHz, 11-01, 1536 UTC, CW +FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
SLV K
OK
BK QRV K
K
R 771 1538 K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRY
021 100 11 1525 1357=
10167 38261 28557 96845 32647 80807 73901 75991 03068 97583
21595 57559 24244 41232 36552 55125 45626 39314 55079 63287
42319077609 24478 03764 31130 10438 38289 45807 84343 27615
27840 85228 37875 01204 98835 15408 92596 87322 45945 56677
27702 24984 79858 73607 84391 84764 41121 36745 31446 31111
=50=
91840 94762 11345 79163 60436 36769 07283 29798 20954 44351
64337 98584 68289 50852 69476 93141 43798 40618 27645 72789
94844 49951 21690 45026 85371 04382 27923 57864 29680 63697
49206 40390 74886 35342 86364 34913 76316 15867 94194 72036
43271 90584 17049 87664 35064 46749 58407 59829 43947 82748
=100=
-1541

CFM NIL K
SK

5469 kHz, 12-01, 1535 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
CFM K
Nothing else

5469 kHz, 13-01, 1535 UTC, CW
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
OK DE QLO 20 K

5469 kHz, 14-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K (6x)
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRY
027 100 14 1525 1357=
55865 52535 39839 36888 48172 32745 29228 97042 60145 39338
28857 29903 64517 30657 93728 45989 92987 80872 43796 62729
43336 39327 42932 91470 73662 22614 87810 64096 94099 20377
36392 54645 22325 38950 75606 72601 54985 36992 52684 13521
79839 60443 79970 40862 03683 29873 16291 47201 77166 32710
=50=
13371 89279 58590 75715 98324 95888 99146 43882 73224 49020
53005 62250 26230 09587 95240 88180 26548 21048 36471 67248
15539 54872 01065 18815 66303 79193 11866 04081 50458 16900
48699 06036 54950 55665 71638 65757 91571 67762 51649 92450
25300 36522 41509 86865 33890 70448 46576 50215 67627 70688
=100=
-1540

CFM K
CFM NIL QRU? K
ZVP K
BK QRV K
K
R 850 1544 K
SK

5469 kHz, 15-01, 1530 UTC, CW + FSK 50/500
V
K
CDAP CDAP CDAP DE AIFH AIFH K (8x)
CFM K
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
029 100 15 1525 1357=
98939 75041 41250 38688 55107 57083 49335 23027 16854 00268
23635 31331 68303 84687 62569 17055 00963 69695 08538 81471
13599 52858 45852 31321 82955 96833 17878 94081 82687 02064
16622 33839 34613 60760 87275 19927 55430 86361021602 16413
59298 71095 74218 29687 80863 29970 44083 08607 18161 18106
=50=
00996 23532 80688 00681 32178 20650 56067 88063 34314 43422
76485 23708 85601 31169 71524 96859 05745 48818871654 91717
60012 42149 04490 05806 99055 44637 59752 01436 35284 30930
72097 55418 18715 11654 49999 52167 15037 00253 17108 62159
79088 15223 26049 75001 33075 03918 90010 03757 07301 38650
=100=

-1542

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 691 1546 K
SK

5469 kHz, 16-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
031 100 16 1525 1357=
75988 68001 45727 54114 67489 16803 17008 16618 88450 32445
82240 18918 22732 54127 92759 89145 73819 05796 52937 38362
26403 58474 06709 90462 34627 37784 00260 72021 74964 05652
80644 59127 74013 29753 02798 39496 60646 09643 53875 30607
90981 91030 91277 90674 02702 43403 11529 61085 37855 66743
=50=
16806 07147 65119 07036 78563 24090 52733 53299 15627 55668
23681 12732 89472 94813 73967 81247 29309 62147 34803 19713
10806 58804 72323 29745 69159 48919 42924 87467 95228 57943
40257 49552 49561 16862 87901 77863 32367 30887 15683 79975
17427 62668 90358 08098 72330 60959 78711 67354 34461 29120
=100=
-1538

CFM NIL QRU? K
ZVP K
BK QRV K
K
R 631 1542 K
SK

5469 kHz, 17-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFK AIFK K
QSA3 QSA? K
QTC1 ZZV ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
033 100 17 1525 1357=
14591 14503 82946 23161 52794 28566 97377 48192 69375 02030
29410 83959 56983 84416 59506 30836 85528 52269 34644 12955
52423 15519 10684 56772 62647 36123 77811 02704 62620 07896
16190 82896 46528 77247 82044 27406 23435 51953 69933 90046
82899 53896 41195 66881 14339 62298 89370 22403 26435 10308
=50=
51404 38977 76809 94956 27380 00242 21583 04111 18791 40735
47496 79815 24872 17630 86975 22897 55504 39610 33422 95078
07415 25905 67037 76839 96250 54674 69113 85897 56480 49820
73629 77536 19732 23933 88158 29503 58940 01956 77742 27510.
00017 14664 14428 42258 72769 18860 07200 93472 10673 44559
=100=
-1537

CFM NIL QRU? K
OK ZVP K
BK QRV K
R 232 1550 K
SK

5469 kHz, 18-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
035 100 18 1525 1357=
48277 82723 78554 28923 99819 45574 23260 25597 08774 39232
72956 00359 97246 56127 02500 13158 53360 97242 14268 81415
13783 92917 76203 31256 49085 88849 37527 82973 95115 66784
55355 05409 55607 39958 44387 14405 85012 53713 69849 59074
13041 87849 32655 82854 31517 48777 38164 44428 37202 98576
=50=
12965 72561 39965 62127 17457 74843 65553 02768 91009 78190
82858 72278 63539 84172 26527 61590 80565 33971 75429 52579
91865 72641 92340 89476 76430 39208 49945 61925 21065 06666
53299 34874 83597 25817 65161 68855 40889 73371 95644 48141
92608 88783 24324 42899 10776 31458 56026 12602 24876 22023
=100=
-1538

CFM NIL QRU? K
ZVP K
BK QRV K
K
R 973 1542 K
SK

5469 kHz, 19-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
037 100 19 1525 1357=
15846 67131 16367 35152 76928 60138 06511 17022 35864 81917
29313 39345 37188 21745 97305 78769 60013 34590 02913 76462
06036 70668 72185 63912 23517 81347 54379 17173 27835 31053
37800 50104 18165 28247 86461 19226 77367 61974 30267 99725
42198 42964 66114 07707 15733 63237 78909 94183 66198 52521
=50=
44829 20264 16206 39340 82694 64628 98280 22368 78610 54280
28509 97351 34964 20856 92655 70190 13863 77022 36934 55640
43410 10121 13422 71906 43458 02366 50113 22554 68000 40452
09766 66192 77418 05150 72874 11477 69845 70181 57018 91529
59167 57024 98584 07635 08201 39383 26352 22124 72522 94967
=100=
-1537

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 017 1540 K
SK

5469 kHz, 20-01, 1537 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
CDAP CDAP CDAP DE AIFH AIFH K
RPT K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRRYRY
039 100 20 1530 1357=
56102 40426 61632 23293 95938 93582 63875 22566 22907 12254
56941 03471 65663 48796 53055 78894 46030 45584 67055 59640
29636 12512 15831 17866 35552 22386 33516 43896 20235 56332
18765 90729 38411 05606 35870 32667 87685 19894 94435 55225
85262 22608 39819 59836 22265 82026 81129 55137 28620 77763
=50=
50779 37350 95328 47562 20014 08196 64944 89136 34266 23571
71172 50389 15601 00035 69905 52809 99327 59708 82544 86700
26929 69172 38163 03274 26008 79919 14628 70987 13859 35555
90391 53145 07189 15006 94999 12660 17046 30966 47477 58579
17326 43900 12818 46863 72230 90848 97520 38349 55338 10528
=100=
-1542

CFM NIL QRU? K
ZVP K
BK QRV K
K
R 901 1545 K
SK

5469 kHz, 21-01, 1534 utc, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
041 100 21 1525 1357=
02285 09171 18573 04930 48613 59985 88818 33960 18867 48133
19190 66974 76479 42248 25613 97160 69971 16733 40187 09929
77660 91720 78187 29302 94224 15929 00668 67151 32952 97249
45398 00513 42510 59085 12937 24448 40499 41293 73746 99617
33948 86232 09560 42283 75769 55037 06213 20945 46695 65704
=50=
19105 35351 25967 28942 48007 58451 08028 85510 85881 70964
32252 13288 38660 64737 02280 55063 71516 95113 98173 43719
61101 15833 10484 27949 25655 19081 96406 83367 60928 54840
98874 38538 65435 01139 01193 27901 29206 85430 22587 38063
96617 95405 82604 20183 22790 44040 54617 42202 98558 17837
=100=
-1538

CFM NIL QRU?
OK SLV K
BK QRV K
K
R 990 1451 K
SK

5469 kHz,, 22-01, 1530 UTC, CW + FSK 50/500. Sent only 95 groups
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
ZVP K
BK QRV K
R 390 1543 K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
043 100 22 1540 1357=
=76991 68971 54316 27488 41367
05306 00499 87775 12145 76444 28764 68119 71932 01299 70307

90334 08496 08419 50365 58798 86019 70936 55414 21264 44670
14904 78290 17020 67728 14163 72739 87387 77607 63686 87359
48676 95868 95736 52334 01889 66891 05063 67875 86061 63426
=50=
04703 86976 19337 61468 95513 60622 23613 99018 84937 62808
71543 02565 70051 55378 37231 19592 38514 01950 62068 43593
34077 38989 34005 41836 81117 97368 61268 22830 78478 14929
82193 08256 21750 79254 44294 22024 10749 25972 79446 63788
12453 88802 22416 56343 61427 18086 00067 67547 78910 86632
=100=
-1547

CFM NIL K
SK

5469 kHz, 23-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
045 100 23 1525 1357=
90941 87967 01045 35096 34745 48892 59263 35243 24428 95595
43919 67776 94731 18853 17970 06775 43064 02199 09674 70378
80577 79577 21039 75204 30510 28057 83962 65212 16619 50691
25306 32767 46264 44068 49401 36315 43003 73561 42068 41369
11951 20953 52672 26772 94510 57384 31748 08803 15704 92371
=50=
58521 88818 44010 82892 42914 51880 06070 15017 96317 41142
58742 12520 54871 98991 60713 77782 96280 42494 54833 94384
56628 09570 98627 86936 30235 62093 66129 14093 28202 19924
75698 17239 79594 62871 21262 47339 90652 68102 08369 74381
52378 53707 89944 32452 67205 39077 12961 93463 34450 88235
=100=
-1539

CGM NIL QRU? K
OK SLV K
BK QRV K
K
R 019 1542 K
NIL SK
SK

5469 kHz, 24-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
047 100 24 1530 1357=
47229 95954 88956 87111 83315 25762 50994 00995 56655 25467
64295 73371 52164 77688 24889 62708 66587 08255 32969 33804
64872 03473 53203 12160 69268 11393 78965 16885 15055 37973
95423 45587 05503 23103 63081 52871 36690 04872 79921 56768
05113 28727 87657 87164 53367 71348 16359 69044 74131 04830
=50=
20687 37891 62717 78994 36862 09602 85545 28209 39120 19008
65773 99479 95440 96038 9692. 03025 11200 89928 01377 58372
46831095628 43183 16428 22479 25872 21105 22004 04913 24186

42991 03680 90203 74794 10121 46674 22833 94664 87707 29399
72904 26004 65848 33219 99862 78107 20110 56776 33137 26267
=100=
-1538

CFM NIL QRU? K
ZVP K
BK QRV K
K
R 573 1541 K
SK

5469 kHz, 25-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRY
049 100 25 1525 1357=
10492 37346 92024 64113 28016 48178 61832 26972 88780 15696
24525 16545 33636 17404 70449 55436 25277 91557 30014 62315
00544 41105 93020 01376 10932 50483 98355 99620 11325 54911
74267 61900 22057 56828 05059 71364 54890 55457 69967 84378
27343 33680 05604 67124 18405 11168 18744 09880 00560 24857
=50=
46589 21058 86873 58458 45903 14719 66624 76872 67044 39484
32144 45047 00384 95172 55150 59109 85199 86680 50088 50587
93308 56988 88528 42620 68388 13873 86639 70568 57701 76338
51881 72771 05978 86854 90162 45878 95173 26794 80989 06504
99637 97295 28238 58639 03921 04054 47620 31761 48164 14289
=100=
-1537

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 814 1540 K
SK

5469 kHz, 26-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QRU? K
ZVP K
BK QRV K
K
R 230 1540 K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
051 100 26 1525 1357=
73083 06415 46591 74670 33578 10287 35043 56197 93645 93952
90559 58088 93597 16626 51117 61078 57804 08228 21172 18973
74606 49966 98304 93217 03933 34143 63834 69357 16177 56290
11324 86122 48623 08455 28235 10231 24479 08510 76838 45982
42167 87902 04964 87238 22628 56547 80117 99482 71867 24649
=50=
78133 10176 87700 41109 37225 26981 87121 45382 06198 13133
18350 87708 00534 80048 24663 77882 39187 37409 42926 40844
68024 51450 61199 83855 79871 63467 02736 28886 84796 60955
42441 82428 34217 15693 29910 77062 73749 02476 40073 80061

50071 24053 52646 74811 66475 97525 67786 80305 65049 61475
=100=
-1543

CFM NIL K
SK

5469 kHz, 27-01, 1534 UTC
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDA
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
053 100 27 1525 1357=
58332 59728 01162 91046 87286 40508 67801 07090 02318 53977
75693 55605 66568 66687 89932 98787 65257 80260 02658 53633
53456 74645 51276 15643 84541 51636 99146 91277 92040 85761
14781 86449 14020 84331 02438 41438 76457 53300 43677 65198
31394 13678 65502 28570 71338 29660 69290 63340 32703 94371
=50=
34580 50916 20749 72227 58948 44573 62930 99112 93277 46989
83700 76624 99604 90501 89428 36547 43235 20183 79440 83245
34698 52708 46369 89109 47183 19835 38929 97369 10759 83093
96326 63558 00812 71109 22297 17219 62515 17094 11593 97617
55175 00431 59622 14915 42614 10173 05924 62725 88640 87601
=100=
-1538

CFN NIL QRU? K
OK SLV K
BK QRV K
K
R 323 1541 K
SK

5469 kHz, 28-01, 1534 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC AVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
055 100 28 1525 1357= =
60261 20003 05966 12205 93578 46034 30668 90935 43132 94616
10189 22528 16074 88492 93528 92575 19639 55237 06904 90431
63647 43191 71236 10353 07069 67921 29683 33852 12557 17742
37095 93215 33414 95702 11677 30607 05420 14537 19270 67737
95054 90453 18850 16662 37165 32416 32350 75032 35042 35193
=50=
33169 89342 17542 53957 21447 87299 74202 38264 68314 86074
91756 43583 45986 23662 32266 64284 87574 11891 33924 56734
96735 30970 38015 42923 27912 38824 34027 77994 04425 26011
35827 27510 96620 59750 37589 02505 84098 71654 84068 01096
03553 48528 00401 50335 71109 02022 92740 29893 69531 78321
=100=
-1538

CFM NIL QRU? K
CFM NIL QRU? K
CFM NIL QRU? K
OK ZVP K
BK QRV K

K
R 840 1542 K
SK

5469 kHz, 29-01, 1535 UTC
Nothing heard

5469 kHz, 30-01, 1535 UTC, CW + FSK 50/500
CDAP CDAP CDAP DE AIFK AIFK K (note the callsign AIFK vs AIFH)
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRY
059 100 30 1525 1357=
059 100 30 1525 1357=
81571 14700 20504 72911 44286 29464 94744 97880 30182 57670
71411 16372 96962 37935 28758 02589 76237 46594 08296 74687
10717 53021 91724 78149 74913 78737 67958 70374 48542 03217
10201 78073 95081 05334 88554 75708 43886 26625 91021 32978
37802 28010 05316 93457 97019 17324 18318 04694 80221 03649
=50=
35858 76501 14945 74163 74398 61227 37212 38180 22436 20038
60392 18350 38071 20951 29382 10545 30861 00955 28628 76892
93341 66410 14093 19537 25707 58549 95230 51892 81800 33206
93185 04380 47562 72373 77687 71312 92730 25483 42321 51519
88656 64095 40933 97165 62096 37880 98875 73994 63556 07313
=100=
-1537

CFM NIL QRU? K
ZVP K
BK ZVP K
K
R 213 1540 K
SK

5469 kHz, 31-01, 1534 UTC, CW + FSK 50/500
UDAP UDAP UDAP DE AIFH AIFH K (note the callsign: UDAP vs CDAP)
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
061 100 31 1525 1357=
44997 90440 11548 86084 52481 69601 75864 75632 86331 34734
30798 05766 16312 90054 23078 10215 74564 56145 95128 51958
39136 27848 33409 05840 33766 61959 80815 73250 21391 51935
98986 74761 66150 74519 76037 48833 64372 94962 05142 13666
74289 14727 28355 56942 37941 17496 07257 16108 02837 38545
=50=
70294 50490 01946 65575 59742 67214 70411 06247 44938 71528
08994 17330 73114 42368 02597 57811 83175 50294 36960 50489
29370 13916 12929 40099 64750 92231 38277 40041 85309 54975
03900 19245 59576 22658 03533 48065 58078 28054 70420 04499
29574 83381 06033 05322 89543 56015 93642 15565 98191 61926
=100=
-1538

CFM NIL QRU? K
OK ZVP K
BK QRV K
K
R 225 1541 K
SK

Another station was active on 19101 kHz. We couldn't find it's counter part. This one uses daily changing callsigns.

19101 kHz, 15-01, 0755 UTC, CW + FSK 50/500
Heavy interference from a Egyptian diplo station. The morse part before the message was unreadable.

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
172 100 15 0755 7324=
172 100 15 0755 7324=
172 100 15 0755 7324=
172 100 15 0755 7324=
RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
172 100 15 0755 7324=
172 100 1580755 7324=
172 100 1500755 7324=
172 100 15 0755 7324=
RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
172 100 15 0755 7324=
10823 79507 49350 12075 82032 88882 29321 80042 90255 26025
50854 05405 72405 78894 01446 29421 27304 92144 61620 41322
84349 18880 10942 94480 86368 82116 61118 23621 93109 36594
27910 10252 81512 33727 81211 46997 69850 80237 48890 15507
59072 31933 81470 55275 03583 51032 78377 52167 67804 85115
=50=
83831 31536 90629 39468 12502 10023 52657 89852 64528 66704
52724 13437 80946 74571 94548 31413 98581 91665 46552 14784
88862 69532 94364 68524 08086 41030 42840 23188 69495 87331
96016 66789 73359 38278 03744 22188 27649 20799 69406 35484
48715 16944 97153 29491 58010 66734 27391 03797 19646 27868
=100=
-0809

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT HVT K
BK BK QRV K K
R 783 0814 K
RPT K. RPT K
SK

19101 kHz, 17-01, 0758 UTC, CW + FSK 50/500
F8PW F8PW F8PW DE PG76 PG76 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
174 100 17 0755 8309=
174 100 17 0755 8309=
174 100 17 0755 8309=
44372 47166 37480 37932 57244 27386 64011 46084 71139 16831
08033 45093 85987 35533 90425 54339 43748 20450 93794 42917
42005 57190 05592 42209 41220 68470 41243 71080 20880 04446
39771 06165 10964 25636 85665 88143 97277 57365 80678 22305
19287 08833 13250 90948 45824 65625 33683 68241 57672 89473
=50=
24838 51313 15975 23369 61631 81041 57762 51392 90909 44591
46431 53278 55721 98229 63183 04874 92255 31070 85557 84729
69497 80367 77192 84594 89957 64166 24774 67603 57299 47528
90885 57185 83972 54934 49368 42704 61462 23131 63671 83596
13761 53455 01679 09214 57827 12282 89587 73038 53140 04148
=100=
-0805

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
RPT K
(very weak, unreadable morse)
BK QRV K
RPT K
RPT K
RPT K
K
RPY PBL K
RPT K
RPT K
RPT K
RPT K
R 471 0814 K
RPT K
RPT K
R 471 0814 K
SK

19101 kHz, 18-01m 0807 UTC, CW _ FSK 50/500
F8PW F8PW F8PW DE PG76 PG76 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
175 100 18 0800 9835=
43350 37304 93652 56036 64258 32662 62528 65717 10276 64269
84320 16494 66738 51343 25365 12151 16548 78639 11585 35889
32698 10158 46412 21294 22672 33931 87666 40675 63105 55686
20809 03297 69645 28708 27137 89469 09989 00551 41207 04574
50195 17654 58366 47914 27757 47394 87616 24380 96842 69172
=50=
70047 98430 81774 59989 90594 07535 83587 49682 88555 02490
60239 75621 32402 14292 47124 82651 91114 28203 36576 80120
56988 47222 51585 90333 86945 54686 84494 53178 53903 62405
90404 97076 65235 68007 85208 66028 73113 71088 66601 37157
96436 21443 52683 15423 50231 36851 76739 58322 69457 86240
=100=
-0809

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K
K
R 860 0814 K
NIL SK K

19101 kHz, 19-01, 0758 UTC, CW + FSK 50/500
IC8U IC8U IC8U
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
176 100 19 0755 8712=
176 100 19 0755 8712=
32502 35482 95294 06673 84063 06776 52024 47995 30252 77835
33149 44813 66770 11832 36364 55150 69375 53954 41210 52237
68416 06114 10577 02119 75008 17250 01063 76187 70747 74107
07229 23650 85491 96924 62666 33163 86239 27402 79938 22416
00876 52989 46761 80151 32055 07949 56963 71889 72760 15120

=50=
45460 16002 17823 49427 51137 36448 40586 89281 41953 49213
16441 37784 74433 31451 82297 53694 12376 60560 93566 09964
04823 59938 54201 87443 45811 73260 99673 23318 36387 46602
15098 38265 47624 94945 80438 37690 12711 56092 73156 64271
05348 19898 80053 32052 44769 54681 98924 93372 37554 88906
=100=
-0805

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
K
RPT PBL K
R 742 0809 K
SK

19101 kHz, 20-01, 0811 UTC, CW + FSK 50/500
2I16 2I16 2I16 DE 2KNH 2KNH K
6JI1 6JI1 6JI1 DE 2YaH 2YaH K
6JI1 6JI1 6JI1 DE 2YaNH 2YaNH K
QSA4 QRU? K
RPT K
OK ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

6JI1 JI1 6JI1 DE 2YaH 2YaH K
P K
P K
QC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

RPT K
(nothing else)

19101 kHz, 21-01, 0803 UTC, CW + FSK 50/500
1EZP 1EZP 1EZP DE H4ZY H4ZY K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
178 100 21 0755 7639=
34046 65532 40983 63669 27201 08747 59164 92947030741 33419
33875 97381 24342 75680 31025 17859 91498 01659 98524 71959
98023 83281 18289 28005 02354 75690 70102 60888 12830 87088
50096 68347 34864 22401 21336 51651 60261 04031 98595 92734
07852 40305 56694 99192 21070 58451 95098 53386 95474 16528
=50=
76103 17182 49068 31362 15964 69111 11721 25833 39437 26982
19027 48670 78160 48823 37480 22830 34236 99767 73702 04288
81621 86479 62585 48614 50950 35665 66848 05762 62621 36199
77982 12790 47622 62738 12194 42271 14824 23694 83146 53046
97826 48865 29121 55646 22249 01206 01395 05304 02335 71257
=100=
-0805

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K

RPT K
RPT K
RPT K
RPT K
RPT K
K
RPT PBL K
RPT K
R 823 0811 K
NIL SK

19101 kHz, 22-01, 0807 UTC, CW
2BZY 2BZY 2BZY DE A3PC ARPC K
RPT K
RPT K
QTC1 ZZC ZVP K
= = R 179 100 22 0800 2077 K
RPT K
R 179 0810 K
R 179 0810 K
CFM NIL QRU? K
QRV K
R 124 0813 K
NIL SK K

19101 kHz, 23-01, 0806 UTC, CW + FSK 50/500. **Errors in the morse chats. My corrections are between brackets**
W2A W2A V (incomplete callsigns)
QC1 (QTC1) ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
180 100 23 0755 7538=
180 100 23 0755 7538=
180 100 23 0755 7538=
95285 17511 67373 19032 00113 60592 40880 59922 09946 47750
97230 59020 36036 28712 04198 94781 70093 16218 46661 28191
49551 57725 89580 89823 68944 16248 68916 09391 87368 36941
20947 47581 34258 87717 81637 47463 50344 20389 73398 37800
51134 98356 62628 36984 85836 87589 53299 90925 51915 74363
=50=
28408 98747 62291 18102 85579 24561 06714 52426 11040 17828
22589 40408 70443 82536 26742 96070 80330 40280 15052 44419
25700 09609 80135 18536 54482 64625 74146 14896 77601 23978
75535 71953 42078 80569 13905 22831 72826 39724 39858 83930
07597 13116 48130 76169 59056 84077 28679 50564 31244 51060
=100=
-0809

CFM IL (NIL) QRU? K
K (OK) ZZC ZVP K
PZC (ZZC) ZVP K
BK QV (QRV) K
K
1250 0813 K
N SK

19101 kHz, 24-01, 0809 UTC, CW + FSK 50/500
S5W8 S528 S5W8 DE MB8W MB8W K
QSA3 QSA? K
OK ZZC ZVP K
BK BK QRV K
K
R 650 0811 K
QTC1 ZZC ZVP K

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
181 100 24 0800 5752=
181 100 24 0800 5752=
88566 83650 94357 67205 73611 48068 84842 44529 51588 26647
13095 13531 34518 87259 31101 13879 70399 00576 60043 04249
19249 46445 43892 71448 01027 54178 20757 91537 09080 28162
19513 48875 60867 55000 72093 01149 55039 47727 50936 68360
65264 58784 64299 13807 55740 62010 07935 10489 87506 63146
=50=
82178 43145 37492 02243 34087 84011 61508 36260 90939 13349
67488 38439 52004 96032 22227 33379 23982 71217 29141 55758
07229 26553 49830 22354 07533 68945 96328 46611 16201 22667
08672 03219 80534 69041 36966 28086 00767 96337 21006 48652
70066 88797 39905 71405 34834 50437 70798 48817 76879 54016
=100=
-0817

CFM NIL QRU? K
SK

19101 kHz, 25-01, 0807 UTC, CW + FSK 50/500
5NT8 5NT8 5NT8 DE OA9K OA9K K
5NT8 5NT8 5NT8
5NT8 5NT8 5NT8 DE OA9K OA9K K
RPT K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
182 100 25 0755 9352=
182 100 25 0755 9352=
21811 54893 34446 97543 39867 92080 31112 57636 18352 97263
50246 15023 05448 69542 46073 58095 34780 39633 95049 92869
20759 00039 78546 69824 31967 95293 12487 50955 02458 21725
16932 62981 41509 46233 73831 66240 07690 07418 86936 18433
82966 02448 44833 85337 13506 31686 28114 71835 97070 57882
=50=
51522 45525 44355 94607 49468 73554 02556 71354 99844 66046
78536 52009 42398 99136 54560 12618 20993 54677 51993 90415
28176 20083 93384 63943 82693 91354 17226 14815 10048 43459
73135 65622 23265 07299 92999 03449 33478 13595 81828 62583
47668 56112 24591 50712 21333 19799 13899 66797 92363 72545
=100=
-0808

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
K
R 118 0812 K
SK

19101 kHz, 26-01, 0810 UTC, CW + FSK 50/500. In pregress.
R 128 0809 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY
183 100 26 0800 4105=
77050 21404 13705 76102 58862 83725 69396 51711 14484 27338
58666 14986 67796 36927 34294 81416 29405 01112 08979 53665
59170 86229 96056 58899 09998 16372 92422 52074 16222 99078
39930 86615 02767 11919 63787 17634 59562 54038 54222 96497

57245 98383 93251 60664 61086 48289 15662 35083 38865 22589
=50=
16234 88428 54630 87785 33539 05485 51177 88540 52635 61461
21594 60200 97117 01557 73946 72038 17987 65987 19520 43310
38542 43547 55654 33143 85250 51502 73138 57121 08875 42859
36453 62513 79804 66108 42841 31636 56414 88639 12003 48950
91586 63727 57521 90985 81711 05213 41491 26410 19891 10108
=100=
-0813

CFM NIL QRU? K
SK

19101 kHz, 27-01, 0801 UTC, CW + FSK 50/500
FI17FI1 (incomplete call up)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY
184 100 27 0755 7395=
184 100 27 0755 7395=
184 100 27 0755 7395=
10062 73508 44529 86853 70480 09642 65361 75635 67911 00995
48706 82567 94422 80745 21442 56467 20790 39408 10264 74640
19175 64120 14286 44796 50808 37411 55282 76719 92322 18697
54036 08350 52792 97980 00454 67256 00225 92429 69331 64073
07562 92119 93145 73017 97950 01420 92948 35257 44058 82383
=50=
39244 44716 70087 02247 18324 42692 22146 89250 05223 14549
45909 36125 56072 85132 33788 39205 35337 48382 83000 39762
00790 54905 75000 74102 30641 89265 48519 79471 96616 70282
73259 53871 43115 19678 76459 22962 1?038 71260 52473 10477
26561 40637 06281 16254 30679 10967 8055. 89944 85015 24169
=100=
-0807

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
RPT K
RPT K
RPT K
K
RPT PBL K
RPT PBL K
RPT K
RPT K
RPT K
RPT K
ZVP K
BK QRV K
RPT K
R 828 0813 K
NIL SK

19101 kHz, 28-01, 0805 UTC, CW + FSK 50/500
X46BD (incomplete callsigns)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
185 100 28 0800 5216=
185 100 28 0800 5216=

19726 68410 53522 78155 23008 41316 93797 55728 89351 52097
71204 04765 57046 80354 15350 52371 26556 17083 83187 78936
34191 44493 51906 81681 18429 22935 57196 33294 54567 44005
23368 40044 79300 15334 90156 89301 82631 48162 73306 43196
89694 59509 88243 59185 56198 73202 08199 74824 82427 97815
=50=
38367 25266 56685 66140 74336 23506 15462 40766 51520 28864
83917 55215 84140 38325 18862 09285 69050 93616 31246 49474
19407 60889 56862 05789 54070 83051 66206 96786 83281 60951
80509 51376 65285 99389 18346 62858 95066 04931 59979 48808
01657 41037 04201 00595 86676 54464 56711 58473 17769 08070
=100=
-0807

CFM NIL QRU? K
OK ZZC ZVP K
BK K
BK K
QRV K
RPT K
RPT K
K
R 129 0812 K
NIL SK

19101 kHz, 29-01, 0801 UTC, CW + FSK 50/500
M4YaT M4YaT
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
186 100 29 0755 7832=
42283 80206 24925 35834 19151 14559 89139 53096 81086 51145
67694 73848 02037 90110 72190 95311 09068 43359 27440 15149
33163 36087 11817 87322 26160 20756 68094 34053 96499 38880
33641 88153 84303 85800 32891 72151 18495 57395 79909 40443
69548 81108 41903 45096 56769 63129 48912 90500 66356 81492
=50=
06905 08011 98109 62112 19176 75716 04516 03426 53496 65878
21030 61764 48011 63415 28899 65644 77570 73359 01902 09760
29028 09585 95272 54689 70271 49216 45540 56105 61098 56536
62791 05127 76442 49151 64483 53106 76945 04136 00464 93500
66416 96208 08414 24957 77843 43823 90131 75997 92543 08715
=100=
-0804

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT PBL K
RPT K
RPT K
RPT K
RPT K
RPT K
R 83 0808 K
RPT K
NIL SK

19101 kHz, 30-01, 0800 UTC, CW + FSK 50/500
K3A (incomplete callsign)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

187 100 30 0800 9245=
187 100 30 0800 9245=
187 100 30 0800 9245=
RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
187 100 30 0800 9245=
07713 62309 90212 35102 84516 92950 96969 35367 27060 29651
03554 37822 03022 95943 88084 22387 61216 84398 89401 62876
35554 98658 61905 89938 01942 32619 25472 89076 95785 26440
44340 77230 16575 88607 29208 74648 88422 49965 09179 87758
49989 75661 44098 25044 56565 46531 39327 22580 65466 51157
=50=
50518 05459 80813 85736 79138 78903 86337 13489 56167 64237
02816 60671 25978 61429 58564 43086 79172 94351 67957 73815
76345 98898 68776 06252 51146 84985 65421 11993 05173 99134
59573 37946 51313 52663 96834 34378 02971 41947 71022 57624
13018 65324 32629 86290 28120 50834 44746 63317 74936 03452
=100=
-0809

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
K
R 131 0813 K
SK

19101 kHz, 24-01, 0801 UTC, CW + FSK 50/500
N1ZE N1ZE N1ZE DE FE3 (incomplete callsign)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
188 100 31 0755 7205=
67326 15107 00554 04075 98322 94288 95757 36556 47904 32050
56098 20458 26501 55002 86976 42940 12613 75312 36918 26328
63450 11526 53036 30384 63054 87012 09557 78820 69563 31369
92599 99721 12267 95788 74743 09466 67017 02694 90928 83361
35812 13171 75988 80369 96180 17565 70073 20867 03513 39565
=50=
66376 50517 00737 27703 62913 47223 08138 01852 56241 98089
44156 71393 81207 00807 06542 65373 23758 52984 59571 29329
02768 04551 87484 45966 31500 65997 89267 28285 38208 86474
22775 75284 99537 56776 22464 34194 71850 34553 17260 91880
40396 74205 60855 80156 46582 59647 60719 51581 04101 88205
=100=
-0804

CFM BIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
K
RPT PBL K
R 134 0807 K
NIL SK

P07

7854 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1500 UTC
6926 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1510 UTC
5814 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1520 UTC
5471 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1530 UTC
5094 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1540 UTC
4639 kHz, 01-01/05-01/08-01/12-01/15-01/22-01/26-01/29-01, 1550 UTC

Q26 - Chinese military

8903.5 kHz, 01-01, 1104 UTC, 4+4 QPSK 75/1000 LSB
A very odd message. No callsigns and headers. Unusual format repeated tree times. Nothing else.

12132424461246124612434817381936218638781 2
12132424461246124612434817381936218638781 2
12132424461246124612434817381936218638781 2

8891 kHz, 01-01, 1121 UTC, 4+4 QPSK 75/1000 LSB
2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
XYXYXYXYXYXYXY HR MSG GA PSE CY
547=CCK 198 24 0101 1920
1234---5678
7979 2885 9320 6713 5832 3408 2678 8682 0000 0000
7375 1324 5203 4717 5062 7331 4998 9631 6995 1576
6842 5864 0926 5297 7150 4958 8518 7220 8973 1792
1756 3179 2965 7229 2191 0356 0135 6274 5819 7993
7537 7845 1785 9340 1581 6641 8804 3079 0059 5815
2869 3517 4133 8035 8243 4524 5643 9696 4090 1663
2167 1237 2309 8285 1524 0854 6237 6074 6109 7265
6213 1026 1317 5978 9340 8684 4513 9782 4002 5360
2112 1023 1529 5406 0508 4284 7196 6906 0356 5770
9604 1282 4339 5032 6288 6748 1591 9293 9735 7723-1
6380 6593 4698 9534 7324 5665 1912 2669 0000 0000
0759 8974 2701 5046 1703 9880 7424 9326 4865 8359
8002 1107 7701 2763 8526 1068 6475 7316 3685 7342
5734 2525 5927 9490 7252 0294 9193 0846 0435 1982
3595 8164 8481 0619 6292 5281 2462 4213 0989 7201
7551 5573 8052 9181 6364 9235 3934 9041 8783 4967
7338 1268 4670 8268 4720 1961 1723 9532 7149 6070
3278 5182 7452 9261 5938 8145 9240 9210 5937 2137
0281 3096 1648 8605 6937 4193 4526 9052 2324 4305
7480 5159 0645 5697 3475 6842 8542 5014

QSL?QSL?QSL?QSL? NR 475 /
QSL?QSL?QSL?
NA?
IEC 60 33 ///
33/--
$

1111 QQ DE WWWW QSA
1111 1111 1111 DE 2222 2222 2222 QSA?
1111 1111 1111 DE 2222 QSA? ///
2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
XYXYXYXYXYXYXY QSA3 QSA?
IEC 60 33 ///
33//--

1111 1111 1111 DE 2222 2222 2222
1111 1111 1111 DE 2222 2222 2222
1111 1111 1111 DE 2222 2222 2222
XYXYXYXYXYXYXY QSA3
EC 12 42 /
7979 2885 9320 6713 5832 3408 2678 8682 0000 0000
7375 1324 5203 4717 5062 7331 4998 9631 6995 1576
6842 5864 0926 5297 7150 4958 8518 7220 8973 1792
1756 3179 2965 7229 2191 0356 0135 6274 5819 7993
7537 7845 1785 9340 1581 6641 8804 3079 0059 5815
2869 3517 4133 8035 8243 4524 5643 9696 4090 1663
2167 1237 2309 8285 1524 0854 6237 6074 6109 7265
6213 1026 1317 5978 9340 8684 4513 9782 4002 5360
2112 1023 1529 5406 0508 4284 7196 6906 0356 5770
9604 1282 4339 5032 6288 6748 1591 9293 9735 7723-1
6380 6593 4698 9534 7324 5665 1912 2669 0000 0000
0759 8974 2701 5046 1703 9880 7424 9326 4865 8359
8002 1107 7701 2763 8526 1068 6475 7316 3685 7342
5734 2525 5927 9490 7252 0294 9193 0846 0435 1982
3595 8164 8481 0619 6292 5281 2462 4213 0989 7201
7551 5573 8052 9181 6364 9235 3934 9041 8783 4967
7338 1268 4670 8268 4720 1961 1723 9532 7149 6070
3278 5182 7452 9261 5938 8145 9240 9210 5937 2137
0281 3096 1648 8605 6937 4193 4526 9052 2324 4305
7480 5159 0645 5697 3475 6842 8542 5014

QSL?QSL?QSL?QSL? NR 475 /
QSL?QSL?QSL?QSL?QSL?QSL?QSL?QSQSL?QSL?

1111 1111 1111 DE 2222 2222 2222
XYXYXYXYXYXYXY CY GD QSL 1929 AHR HR MSG GA
547=CCK 198 24 0101 1920
5678---1234
7979 2885 9320 6713 5832 3408 2678 8682 0000 0000
7375 1324 5203 4717 5062 7331 4998 9631 6995 1576
6842 5864 0926 5297 7150 4958 8518 7220 8973 1792
1756 3179 2965 7229 2191 0356 0135 6274 5819 7993
7537 7845 1785 9340 1581 6641 8804 3079 0059 5815
286993517 4133 8035 8243 4524 5643 9696 4090 1663
2167 1237 2309 8285 1524 0854 6237 6074 6109 7265
6213 1026 1317 5978 9340 8684 4513 9782 4002 5360
2112 1023 1529 5406 0508 4284 7196 6906 0356 5770
9604 1282 4339 5032 6288 6748 1591 9293 9735 7723-1
6380 6593 4698 9534 7324 5665 1912 2669 0000 0000
0759 8974 2701 5046 OIIP URWR OEWY RIYT IETO
8002 1107 7701 2763 8526 1068 6475 7316 3685 7342
5734 2525 5927 9490 7252 0294 9193 0846 0435 1982
3595 8164 8481 0619 6292 5281 2462 4213 0989 7201
7551 5573 8052 9181 6364 9235 3934 9041 8783 4967
7338 1268 4670 8268 4720 1961 1723 9532 7149 6070
UI TQIW URTW OWYQ TOEI IQRT OWRP OWQP TOEU WQEU
0281 3096 1648 8605 693 RTWY OPTW WEWR REPT
7480 5159 0645 5697 3475 6842 8542 5014
1234=1929=475

QSL?QSL?QSL?QSL? NR 31 /

2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
2222 2222 2222 DE 1111 1111 1111
XYXYXYXYXYXYXY QSL 1936 BOZ NIL SK /
",TB
1111 1111 1111 DE 2222 2222 2222

1111 1111 1111 DE 2222 2222 2222
1111 1111 1111 DE 2222 2222 2222
XYXYXYXYXYXYXY OK BOZ NIL SK /

V26: 14514 kHz, 10-01, 1223 UTC, USB.
Message while Q26 sends on LSB at the same time

14514 kHz, 11-01, 1226 UTC, 4+4 QPSK 75/1000 LSB (V26 on USB)
AH4 CW WK &&*****F FUWI FUWI FUWI DE 4CV6 4CV6
HR MSG GA &
NR1001 CK50 18 0110 1000 --
1347 5084 7102 9103 4283 3754 6129 5218 8796 7689
7924 1420 9685 3142 5472 5287 5609 0487 0369 7318
0241 3059 9521 2713 8264 4938 4372 5246 9503 3420
4327 8261 0781 9063 1283 2756 2857 3569 0142 4329
7392 6735 8127 6216 8473 4521 3518 2017 5390 1307
AGN &
NR1001 CK50 18 0110 1000 --
1347 5084 7102 9103 4283 3754 6129 5218 8796 7689
7924 1420 9685 3142 5472 5287 5609 0487 0369 7318
0241 3059 9521 2713 8264 4938 4372 5246 9503 3420
4327 8261 0781 9063 1283 2756 2857 3569 0142 4329
7392 6735 8127 6216 8473 4521 3518 2017 5390 1307
AHR CW WK &&*****F FUWI FUWI FUWI DE 4CV6 4CV6
HR MSG GA &
NR1001 CK50 18 0110 1000 --
1347 5084 7102 9103 4283 3754 6129 5218 8796 7689
7924 1420 9685 3142 5472 5287 5609 0487 0369 7318
0241 3059 9521 2713 8264 4938 4372 5246 9503 3420
4327 8261 0781 9063 1283 2756 2857 3569 0142 4329
7392 6735 8127 6216 8473 4521 3518 2017 5390 1307
AGN &
NR1001 CK50 18 0110 1000 --
1347 5084 7102 9103 4283 3754 6129 5218 8796 7689
7924 1420 9685 3142 5472 5287 5609 0487 0369 7318
0241 3059 9521 2713 8264 4938 4372 5246 9503 3420
4327 8261 0781 9063 1283 2756 2857 3569 0142 4329
7392 6735 8127 6216 8473 4521 3518 2017 5390 1307
AHR CW WK &&**RQ

M95: 14514 kHz, 11-01, 1236 UTC, CW
V 7BYX TBYX 7BYX DE 8CK0 8CK0
HR MSG GA NR 1001 CK 5018 .... (repeat of V26 and Q26)

14514 kHz, 11-01, 1244 UTC, Q26 4+4 QPSK 75/1000 LSB (V26 on USB at the same time)
14514 kHz, 11-01, 1256 UTC, Q26 4+4 QPSK 75/1000 LSB (V26 on USB at the same time)

14514 kHz, 24-01, 1232 UTC, Q26: 4+4 QPSK 75/1000 LSB Message sent twice. Same message as V26 and M95
14514 kHz, 24-01, 1232 UTC, V26: USB. . V BNAB BNAB BNAB DE XS14 XS14 HR MSG GA PSE CY …
Message sent twice. Same message as Q26 and M85
14514 kHz, 24-01, 1237 UTC, M95: CW Message sent twice. Same message as Q26 and V26

***BNAD BNAD BNAD DE VS14 VS14
HR MSG GA &
NR1001 CK50 18 0123 2020 --
1584 0297 8539 0125 0183 3058 1692 6819 2503 1472
5463 0168 0583 4319 5392 4730 9085 9852 0312 5692
6897 1987 8364 0428 3925 5892 0271 2081 1425 6185
8597 8964 4536 5408 2759 2983 0924 5712 3612 5948
3927 4586 6427 1978 0938 9310 8915 4973 0278 1063
AGN &
NR1001 CK50 18 0123 2020 --

1584 0297 8539 0125 0183 3058 1692 6819 2503 1472
5463 0168 0583 4319 5392 4730 9085 9852 0312 5692
6897 1987 8364 0428 3925 5892 0271 2081 1425 6185
8597 8964 4536 5408 2759 2983 0924 5712 3612 5948
3927 4586 6427 1978 0938 9310 8915 4973 0278 1063
AHR CW WK &&4#*VHTTSB

X06

Quite some X06 test transmissions on January 21st. The first one started at 0904z and the last one at 1224z. I haven't noted the times.

Two long transmissions
17350 kHz 111223
19300 kHz 111223

and these were all max 30 seconds
15969 kHz 161161
16269 kHz 161161
17469 kHz 161161
18269 kHz 161161
19369 kHz 161161
20069 kHz 161161
15969 kHz 111666
16269 kHz 111666
17469 kHz 111666
18269 kHz 111666
19369 kHz 111666

14450 kHz, 27-01, 0842 UTC Test: 123456
12100 kHz, 28-01, 0731 UTC Test: 123456

XPA1

14852/13952/11552 kHz, 01-01/03-01, 1310/1330/1350 UTC
895 895 895 1 895 895 895 1 895 895 895 1
00233 00151 21536 74194 08784 08846 74763 64240 93489 53469
18015 48002 01173 03909 93987 21436 91089 44752 98059 61082
01560 68303 29831 58702 41911 95041 80583 54215 90985 99349
36964 91082 63497 28482 48839 07642 42430 62659 94749 61597
62299 39355 07660 17983 71252 49675 09072 31962 59657 79687
61015 83802 93590 38390 77187 49715 83972 12985 57069 63594
13990 25198 46631 93816 85312 36671 99759 86337 73487 23298
11724 83174 61610 77685 75428 87210 98868 08285 29611 56975
97276 78664 10289 20087 08265 78708 08092 70309 54877 56778
12157 62361 21771 03098 56911 61880 79949 99246 90802 01274
00994 58034 01500 34494 66379 47335 59481 04143 09722 45200
40869 94068 03554 77100 81765 00797 18267 79360 63502 73894
63371 51944 49297 50735 62543 80542 39566 25463 94788 66200
55940 94353 60929 44723 90812 16704 65160 76202 92126 55827
42715 03304 66585 04486 26375 73203 20288 32735 34062 60997
27455 67073 97488 25267

14852/13952/11552 kHz, 08-01, 1310/1330/1350 UTC
895 895 895 000
06956 00001 00000 40663

14852/13952/11552 kHz, 10-01, 1310/1330/1350 UTC
895 895 895 000
06548 00001 00000 37662

14852/13952/11552 kHz, 15-01/17-01/22-01/24-01, 1310/1330/1350 UTC
895 895 895 1 895 895 895 1 895 895 895 1
07542 00205 48361 72145 97083 94009 06289 17506 10021 35816
30628 05174 99251 68754 73625 82834 67365 96633 31899 16639
74937 16476 12346 67340 92568 92084 61130 68904 76899 00453
80041 95121 89784 54857 27866 97098 03300 14796 22926 72892
57434 69538 02885 37471 19376 45753 36135 84077 82102 12648
78279 10248 04922 63807 44853 75852 31430 85187 89807 05532
78443 72861 34837 19522 46086 69589 91817 13457 46055 54225
36835 76287 20929 47485 48408 30363 99156 82062 68600 49950
82863 52138 09838 51211 33613 20748 57740 27618 33809 87670
70933 34662 85857 93899 40114 45515 06491 53658 41126 31596
91482 54587 30558 89606 02504 83135 04074 27150 74642 51046
10290 20406 43313 45436 58101 29433 57976 26466 74026 07596
26908 15399 35231 16968 12374 25955 47949 79766 20700 02570
85619 72423 53967 91998 28479 50532 48114 58839 90125 47592
17382 81779 87597 04225 41398 94490 54960 40585 59081 01979
27396 26615 51787 69125 60608 82785 71905 65848 55265 69308
98351 88618 18331 73564 72934 78636 67739 92882 31179 65528
04209 08480 44245 09801 03176 12984 03002 82335 01503 90786
54398 57604 12871 80149 15071 31382 14987 99554 36346 05714
99565 38913 66443 21239 13676 68216 10447 08892 67690 78098
90526 92128 87773 53658 57286 31638 47676 41301

14852/13952/11552 kHz, 29-01/31-01, 1310/1330/1350 UTC
895 895 895 1 895 895 895 1 895 895 895 1
00401 00132 83562 42217 86031 97213 81599 85099 42158 54305
01221 32247 20957 43671 26496 72390 03933 29064 26813 82314
97340 63666 86570 44882 35849 75426 30425 05464 79395 10624
57364 24716 58599 41731 80914 62468 37287 09086 23853 65762
55940 05115 38162 39294 97323 02275 85877 63773 68938 87125
36516 04470 75373 29709 60113 63515 91488 23098 98727 44355
79292 78968 66360 73800 92515 68780 77898 68791 29667 12376
24087 25048 20291 10195 55882 77635 68845 25748 96244 19133
80392 52237 33303 82319 15465 63595 30386 40560 77941 56724
01736 61348 92152 17678 73829 89717 01301 57428 52917 37712
19904 43142 81322 85234 60178 61608 16256 47704 32147 20655
28751 08176 19575 05792 28519 29486 63473 27482 32544 16307
78909 22519 17649 35444 29405 12899 90485 04162 63332 62819
42725 28967 56955 47280 27730

XPA2

11493/13393/13993 kHz, 0800/0820/0840 UTC

11493/13393/13993 kHz, 01-01/06-01/08-01, 0800/0820/0840 UTC
00517 00156 14499 30652 51253 01052 76102 52425 87648 48051
49627 71931 60079 24076 66671 57939 34259 81089 19506 08211
32608 61541 73240 48331 41617 13082 93748 27627 62405 02022
62858 54216 88186 05490 13786 67695 62970 00034 42169 56652
28504 48187 09080 22665 56510 79273 07117 71932 31847 36102
64842 20769 04590 73873 79854 58510 70748 90510 42473 59250
25796 90768 83660 96190 64802 42964 17284 34336 48505 45793
19654 96782 82446 64213 15550 04281 34996 62104 56279 29907
56202 24429 99963 86362 50787 04847 00199 51850 45009 60041
87715 06275 25492 09021 62414 71639 49160 79890 68679 93603
30495 04666 01921 61125 60376 50196 22284 59825 15750 25176
01625 92744 31949 75285 29754 64929 99153 32080 55812 18416
04438 97939 94411 24952 93534 16276 59048 49240 51272 07813
09327 86376 01398 29273 56298 73118 83801 57893 02163 20582
98784 71091 07150 59710 89728 72425 75940 39360 97771 00961
44838 64760 93203 03030 72412 82192 61994 24670 64326

11493/13393/13993 kHz, 13-01, 0800/0820/0840 UTC
09909 00001 00000 42261

11493/13393/13993 kHz, 15-01, 0800/0820/0840 UTC
07838 00001 00000 41262

11493/13393/13993 kHz, 20-01, 0800/0820/0840 UTC
04979 00001 00000 42263

11493/13393/13993 kHz, 22-01, 0800/0820/0840 UTC
04172 00001 00000 32663

11493/13993 kHz, 27-01/29-01, 0800/0840 UTC
13393 kHz, 27-01, 0820 UTC. Off during the callup
06664 00214 17550 21242 90248 74491 55094 13348 38779 07598
40787 45150 26126 90629 86653 85791 37879 49271 27890 26342
61899 57258 48061 18420 37287 55430 53550 86746 18219 70180
40816 04353 10685 53893 88557 30642 43545 40406 62922 42319
31773 00098 45761 37257 56885 07628 26419 81198 52886 41578
23976 26938 59400 01210 87028 57809 18130 21040 53132 90919
07618 81186 41069 99726 06007 71839 78661 75416 59695 85085
44017 92674 66072 50299 94042 26252 82326 91765 53620 73418
94380 91740 33088 06914 51815 04244 67504 10090 49980 16835
37042 73059 73926 49161 60879 54736 15751 30360 23320 51771
38916 93273 73362 98233 50451 09928 66726 85708 97831 50250
54828 33879 07300 08304 92612 96918 20372 99951 57038 70616
34904 31881 11609 13861 04282 80938 26311 65049 93236 77973
73751 51951 62949 26525 03143 55068 21626 57062 85446 58732
25495 37896 02448 90358 65383 75586 38055 09735 61877 92268
65249 08638 72649 12229 93262 36417 56631 18721 33482 23902
88616 88672 73998 36139 70269 31535 25072 38359 62062 83288
78900 92274 56415 52386 69196 18440 83903 52689 95599 89156
59422 69720 39210 02573 74483 45228 04040 05333 62687 60117
99000 54338 20692 60299 08407 85443 25294 82126 73004 41375
35915 29108 16390 84258 88096 32114 23235 25329 58069 63237
48260 41832 83758 44910 27570 36637 47540

14977/13971/13371 kHz, 0910/0930/0950 UTC

14977/13971/13371 kHz, 01-01, 0910/0930/0950 UTC
04104 00001 00000 33654

14977/13971/13371 kHz, 06-01/08-01/13-01/15-01, 0910/0930/0950 UTC
07778 00048 59999 01999 89251 44113 66001 69876 52119 37589
94034 81779 85562 76115 12884 84516 02385 91709 42441 29161
95394 23876 49856 94739 70605 66871 29321 89539 21010 89473
35732 97483 14796 72666 23215 70195 77164 93371 01241 92730
54980 40288 13427 22330 74592 83416 72047 16706 75392 56218
11754

14977/13971/13371 kHz, 20-01/22-01/27-01/29-01, 0910/0930/0950 UTC
00609 00024 25257 52623 23043 54079 00907 86330 72989 92520
84250 98984 25143 39520 59459 31837 11064 60400 42664 29887
99098 41440 65200 98476 49612 67558 45545

13384/12184/10984 kHz, 1100/1120/1140 UTC

13384/12184/10984 kHz, 01-01, 1100/1120/1140 UTC
00398 00067 58470 22886 79577 42550 46051 19641 72787 77971
67373 44974 65568 54781 99716 94528 31556 37122 10054 75900
43110 37065 58278 07091 54665 29928 88778 70747 21944 53151
14290 94701 61626 59511 40255 26792 50176 66972 31969 27951

10322 50752 42119 31353 76387 95378 31235 41043 95059 36233
66712 77711 19318 43753 19285 08779 40467 75081 10637 62964
80542 79456 90622 70244 51144 83483 18116 89235 25913 27504’

13384/12184/10984 kHz, 08-01, 1100/1120/1140 UTC
00522 00000 00000 33553

13384/12184/10984 kHz, 09-01, 1100/1120/1140 UTC
06021 00001 00000 32260

13384/12184/10984 kHz, 15-01, 1100/1120/1140 UTC
00801 00001 00000 35651

13384/12184/10984 kHz, 16-01, 1100/1120/1140 UTC
06865 00001 00000 37664

13384/12184/10984 kHz, 22-01/23-01, 1100/1120/1140 UTC
00467 00065 11541 53723 29278 36549 74782 82118 80398 27948
04296 39868 78565 85122 50582 18626 39460 68587 57612 14486
22076 76673 35568 90648 18602 22591 91185 82191 32162 56884
06536 77686 66130 83634 06459 59347 74419 62963 94253 15854
70675 93819 96100 39837 03904 15211 13733 57663 96813 41604
68638 34800 01806 96491 25731 49584 03764 18405 29066 18284
62550 99935 06698 05369 11329 66512 34168 10606

13384/12184/10984 kHz, 29-01/30-01, 1100/1120/1140 UTC
09920 00060 75771 76025 38570 17038 02670 78571 54682 22716
76608 46921 48823 05666 99024 39026 10243 65823 24174 91890
60299 47488 40099 12759 24600 15570 69619 50635 27317 80039
57177 97978 40659 69524 07113 79164 73437 95903 23166 12421
96853 08352 62382 93802 02895 15082 08682 60142 46899 65360
40095 10876 36705 10923 83408 80850 24900 34182 80453 11526
75522 28815 43723

14794/13994/12194 kHz, 0910/0930/0950 UTC

14794/13994/12194 kHz, 02-01/04-01, 0910/0930/0950 UTC
00752 00091 68333 55622 78867 021777 7477 69970 17926 95638
65593 04666 47044 47514 67810 53666 19560 99956 02837 48439
68173 95287 13881 82223 57815 89988 39472 20795 11262 36871
25531 11502 30005 37237 73562 35935 32960 98311 81104 49461
21909 44109 77411 15346 26191 74359 08718 08607 98250 35375
30089 46045 32062 22088 72829 15641 21703 34983 91577 08194
03550 27534 04969 12260 64630 66815 28527 52991 22364 03035
06450 62169 23640 83670 10709 82284 12489 38745 67218 02251
86082 97619 17905 73653 07763 07448 29229 66334 65092 45760
39112 39082 31214 50250

14794/13994/12194 kHz, 09-01/11-01, 0910/0930/0950 UTC
05503 00048 27115 99636 67954 48319 10559 31272 04614 24729
12298 39990 88093 00786 05427 41186 66183 10377 02915 89279
51323 99572 66131 64850 63836 85243 47540 68562 93747 87398
49662 86640 83973 90989 66490 14943 23578 53086 01763 22056
27813 33216 13254 57435 43273 82990 28355 12775 11483 86043
31715

14794/13994/12194 kHz, 16-01, 0910/0930/0950 UTC
06212 00001 00000 33257

14794/13994/12194 kHz, 18-01, 0910/0930/0950 UTC
09303 00001 00000 34261

14794/13994/12194 kHz, 23-01, 0910/0930/0950 UTC
04663 00001 00000 35662

14794/13994/12194 kHz, 25-01, 0910/0930/0950 UTC
09663 00001 00000 35667

14794/13994/12194 kHz, 30-01, 0910/0930/0950 UTC
08199 00068 23768 60244 94595 63560 88502 45172 27370 40723
77526 01995 79359 46402 91417 48049 24304 01989 63994 26868
59251 02341 26254 50874 50701 55196 06247 81923 83922 02332
18209 22483 06492 74922 70783 91336 07099 60370 92700 42959
95825 61201 61745 25245 86773 28334 34414 51108 52544 92816
06479 04494 66972 90385 89372 48796 52078 19875 56664 11087
51927 42199 09606 69028 33422 53523 85155 52152 93255 08970
00354

13384/12184/10984 kHz, 1100/1120/1140 UTC

13384/12184/10984 kHz, 02-01, 1100/1120/1140 UTC
00398 00067 58470 22886 79577 42550 46051 19641 72787 77971
67373 44974 65568 54781 99716 94528 31556 37122 10054 75900
43110 37065 58278 07091 54665 29928 88778 70747 21944 53151
14290 94701 61626 59511 40255 26792 00176 66972 31969 27951
10322 50752 42119 31353 76387 95378 31235 41043 95059 36233
66712 77711 19318 43753 19285 08779 40467 75081 10637 62964
80542 79456 90622 70244 51144 83483 18116 89235 25913 27504

10465/9165/8065 kHz, 1600/1620/1640 UTC

10465/9165/8065 kHz, 02-01, 1600/1620/1640 UTC
02099 00090 89979 17468 95417 31403 14318 48308 67900 03731
63629 73401 96091 13892 74676 02950 33058 69632 47140 17708
40780 77000 12596 53356 53816 98418 50826 77827 39903 03603
22892 21586 48314 41737 44594 81137 08302 60891 86790 08904
42197 12261 07034 82737 06878 51625 70707 55392 94297 86176
17114 51940 48074 40404 80320 08849 34054 73797 02763 10956
82082 75275 81266 31157 51070 72989 69606 95955 08647 73022
87438 70315 49539 80988 08865 95625 08331 32721 73941 54644
17461 03527 75494 44936 98809 71680 81302 08780 74572 84723
61131 33042 03601

10465/9165/8065 kHz, 07-01, 1600/1620/1640 UTC
01997 00001 00000 41262

10465/9165/8065 kHz, 09-01, 1600/1620/1640 UTC
08816 00001 00000 40261

10465/9165/8065 kHz, 14-01/16-01, 1600/1620/1640 UTC
00628 00128 23073 86090 34201 22065 76646 88855 40100 68501
88712 78881 36034 52208 89468 70946 37844 86316 92153 57601
61327 09827 29253 37941 31355 66830 76468 37230 96377 39005
63156 30806 62466 93161 80143 35381 31862 04871 69035 07065
74126 74573 11560 93563 36503 13084 30226 50798 85264 69888
88552 86572 35074 05750 00053 86027 18886 04508 80866 59266
83353 50443 02016 00703 38933 80805 42603 86888 53095 58006
05829 17853 68755 08838 00705 88526 45442 64609 80706 05466
67873 12654 80485 07146 78244 69205 11655 87571 69681 89716
84032 67067 88580 29062 38752 14161 08506 01803 61542 46872
54527 68264 68826 50008 28800 52296 02048 22993 88360 19536
86385 30565 01764 88985 88443 66204 98799 88012 40692 47682
67734 96746 30668 98801 67868 20596 12335 77635 44072 83682
14440

10465/9165/8065 kHz, 21-01, 1600/1620/1640 UTC
04165 00001 00000 34262

10465/9165/8065 kHz, 23-01, 1600/1620/1640 UTC
01693 00001 00000 35662

10465/9165/8065 kHz, 28-01/30-01, 1600/1620/1640 UTC
00425 00199 69315 43963 45284 80808 97229 00287 45454 23617
74644 81643 82027 01677 22963 38808 38812 95189 75055 44888
66036 83061 83183 34912 16220 22002 27873 38208 11776 92371
65344 33902 97794 68589 30295 74464 34887 40309 35023 20686
45658 09534 21813 06579 62304 74284 30420 18675 48094 20000
04730 41961 88008 07308 18886 32605 90604 23183 13299 65629
21480 42495 99633 49220 32388 07372 91612 66606 35367 81711
83317 03155 25624 31389 20561 51987 74588 56766 00642 80803
60438 18100 67715 36212 00505 76481 82611 79723 02820 30351
44251 08206 62630 11061 66845 54858 73083 38618 85526 14669
75262 71026 52369 57099 57673 38787 11288 96197 89695 27165
06900 75434 48328 32620 93091 67652 06634 38573 01989 63773
48664 63703 65453 16657 55254 07959 10133 04929 74030 16476
09704 13843 16236 49943 92243 95102 82659 80119 04575 22939
33303 84866 04334 86933 42700 87475 95129 86920 18323 52918
31855 22282 38148 39281 09537 35368 09607 99795 35837 04331
12630 72612 14244 44300 35385 40802 71638 07148 38529 27041
65814 50189 38088 20298 66615 32219 55620 86084 58227 99113
01742 89163 62594 62562 03404 61467 11927 11334 02337 16879
92758 83538 28407 85933 67057 77844 04966 89306 69632 05509
82229 56100

10231/9331/8131 kHz, 1100/1120/1140 UTC

10231/9331/8131 kHz, 03-01, 1100/1120/1140 UTC
07421 00001 00000 33661

10231/9331/8131 kHz, 07-01/10-01/14-01/17-01, 1100/1120/1140 UTC
00567 00034 46125 33083 68456 04425 95750 31138 68121 80078
74969 84274 45193 60104 88613 45618 10711 24343 92480 51983
05134 42348 12033 01958 68954 66927 71271 77947 83238 50954
12739 05986 07119 94475 12477 48012 57211

10231/9331/8131 kHz, 21-01, 1100/1120/1140 UTC
02206 00001 00000 35252

10231/9331/8131 kHz, 24-01, 1100/1120/1140 UTC
02455 00001 00000 35657

10231/9331/8131 kHz, 28-01/30-01, 1100/1120/1140 UTC
00186 00025 63602 39037 00209 17442 73171 55113 62638 36444
43502 58660 72502 59637 69845 42947 31840 59270 08175 22734
70365 32829 47411 89137 95699 10011 89361 74237

13878/14978/16278 kHz, 1200/1220/1240 UTC

13878/14978/16278 kHz, 03-01, 1200/1220/1240 UTC
05615 00180 37619 17973 23586 50092 60469 31847 48090 10087
66159 59837 19640 62926 88449 19987 78628 07501 95587 11960
06803 43222 52548 42228 35997 54423 11966 26917 85612 06314
38293 36653 95789 11621 15932 33864 13858 77137 38922 47346
28104 51024 06087 22580 55426 48566 43340 25108 76104 47546
45586 48002 90718 24417 69145 41158 13821 89971 65401 93788
22098 37792 34878 79722 01293 23701 12082 98842 36151 78446
47184 29200 17131 02554 25408 94514 08941 46889 36707 22613
14609 32269 11374 64711 48965 17850 96238 98690 41418 69980

50998 97761 35738 67414 45530 72358 13425 64595 17703 37726
01085 85386 27416 91835 28453 98354 80462 93711 22963 02306
14809 20011 24916 20452 84453 31469 68421 19579 10764 43722
71423 43541 04197 39996 40155 32893 14758 00898 27995 93634
54871 98182 27511 59418 73829 87099 41771 09936 29634 00838
48364 12059 58582 44964 73501 50154 77089 66773 83579 36235
56138 28307 92827 67529 74643 70589 61760 20143 41750 11846
09091 03493 37208 39234 55037 72412 41855 25386 16699 27496
99897 14861 06221 60380 14229 93302 79389 54934 76474 65709
25354 72607 10716

13878/14978/16278 kHz, 08-01/10-01, 1200/1220/1240 UTC
02550 00258 23696 36084 92968 75427 59043 90069 18291 79741
13723 54999 55945 39670 91402 58273 03648 80276 59939 92893
63401 41741 99550 93931 65345 09402 87902 91901 58316 65566
28614 05621 25849 31039 67646 69871 61540 62860 86573 36572
39064 23535 94372 75456 72541 74253 93980 71323 09571 01232
40878 20909 43901 76180 86206 03092 94084 20005 12988 00765
75409 17282 07336 84583 02337 84996 62814 39740 89933 23127
31898 69509 64108 07702 84681 41898 68559 07515 72537 63442
71278 86673 66482 31004 73431 53786 41314 79318 15506 80736
89508 86307 25390 79696 34587 88374 17662 08255 04222 87658
84862 67938 26949 68017 19778 03341 24479 34897 33047 34837
66104 88091 00930 46274 79069 00824 17135 38925 35999 15971
10409 52201 08015 49714 60483 96974 42447 55026 73229 85970
33261 78011 72368 55536 12226 34611 11980 86710 69056 19515
70501 60789 05342 38819 73070 68486 09837 04226 46430 87973
72648 25228 87441 41793 02524 24469 28781 82405 84030 03591
75775 55888 21764 22470 57142 82579 50399 59915 13900 30671
57787 86918 08947 87424 15075 84862 66315 56172 78110 58790
87704 27932 61890 72024 56877 30916 03207 86433 83636 38186
10676 66979 23050 25934 40687 95812 50490 60351 42686 39459
20998 34229 14362 64038 76993 29187 78067 32561 42217 84749
60110 88014 14452 10003 65235 83295 76042 43279 94202 69638
18551 81922 20870 05938 53327 82993 74512 15255 48266 65035
72101 05986 45575 97311 13202 38697 20313 52581 34252 89644
56761 86809 35955 19610 56540 73227 68249 19108 24293 81058
19644 26734 26684 29423 35049 05795 89474 76438 58386 40723
32424

13878/14978/16278 kHz, 15-01/17-01, 1200/1220/1240 UTC
00136 00341 29084 38346 60124 08934 64146 83936 52258 61310
39149 86756 07961 17432 31378 90716 52874 20052 91798 20556
30182 28473 20053 28726 64355 87232 19653 97981 04303 31665
98679 45421 86865 56195 92574 37736 08097 52742 32174 79530
53402 80014 55058 75395 33582 33745 38315 32137 64409 38010
61215 98282 11874 03886 89835 97764 11440 28312 18821 52255
74442 43527 55055 34565 98191 08596 92285 68076 91405 83986
91554 21685 18195 02705 43202 31800 01647 03628 31013 33785
58767 51571 50651 84053 72614 90844 52696 99284 36874 44816
92218 25294 31209 14275 37199 04073 92521 20701 89217 09382
24881 55449 88930 80060 61891 62872 85627 37181 19212 26243
94153 91501 28798 36264 83481 15652 39616 93341 87847 05837
71283 28774 85062 10461 88628 25197 23103 06879 10753 94443
27439 31023 77179 66518 49525 05087 46350 31666 98175 19349
51857 05436 60119 67540 31471 98713 52073 66870 91137 97699
43121 63151 11655 57651 44767 96087 49617 27584 78601 04386
39101 68514 45319 26661 41686 14529 11684 69038 45819 88641
62427 44046 69571 68653 45730 58016 20514 57191 41967 65563
41267 30390 42685 54490 63921 59181 58965 76948 46216 00731
15105 76061 87591 10812 53776 60522 26579 99365 40471 26957
39965 08912 33369 07109 81077 20704 74925 87443 48493 44515
46999 11739 89808 47970 35510 00566 98450 51200 33189 49427

98047 66924 40628 04163 13157 09271 77075 84258 60471 89765
79302 69136 98566 27120 56999 76376 46113 24667 64384 07708
18116 99673 36353 30838 95771 44373 04610 94952 07150 05172
15100 23883 03284 93993 03395 95778 33347 39129 66828 65539
47459 53429 26189 32133 38571 87715 44562 30853 73314 76715
05791 49603 76701 84461 54237 08365 76226 54689 04835 83972
93352 29129 36083 94834 63358 00569 53750 49983 27674 81707
00254 16116 30176 61908 11351 57498 95735 10333 53822 37977
47933 94253 16858 47548 91491 29659 21185 97227 42830 29310
48878 09757 53002 53531 11303 75586 07229 91324 65660 93754
37262 58246 71060 92988 91447 01887 97571 55145 83735 09078
33817 65570 79441 02692 57631 46131 29283 44924 70117 40330
30467 64778 29529 37105

13878/14978/16278 kHz, 22-01/24-01, 1200/1220/1240 UTC
00350 00229 24816 56681 68503 97034 58328 62436 71175 52696
97658 92614 07614 81948 46757 90009 28219 61301 38526 24100
51418 43009 74449 30916 48717 81355 90719 57315 10783 30479
11806 58103 91339 02809 81417 66488 24882 72693 88493 05691
09609 38299 03377 03772 62545 16010 80481 61589 21007 19935
70035 51448 35048 48461 61756 19483 31552 57165 70351 10473
02156 77847 94635 42918 37721 69288 69680 97752 00502 58121
10351 09817 12285 64084 39133 51101 37112 75365 20615 68630
91077 37919 45167 03623 76064 02974 90191 36109 13968 75231
71111 45282 67298 84682 02617 92223 43165 08789 87103 10387
35768 11142 01719 92564 42402 00409 43290 18475 39669 80062
21376 29201 01092 64458 19366 44289 11828 54480 92037 08884
25527 76968 64199 93149 17182 44664 24034 74875 22033 61631
71014 85583 80963 82710 19132 75665 63161 91633 56183 14120
64964 93923 08349 53349 99432 03141 24258 94626 64502 39998
59168 97848 95384 09710 52949 61383 43880 27218 13337 36265
94373 83588 86916 97803 35686 25100 74328 49702 81723 67123
53774 41060 31919 66075 33929 65395 44825 51009 24542 21232
32761 03310 35136 41556 49784 32712 40223 72127 09698 87310
13691 22917 37408 82602 83838 65493 48821 51747 74789 23817
48530 66836 36567 91359 86765 77129 69639 64298 38211 54661
46814 75238 13167 34291 15639 42434 06897 28960 39031 53137
69015 19934 38683 11522 90192 83614 23506 73516 50366 31509
51897 23227

13878/14978/16278 kHz, 29-01/31-01, 1200/1220/1240 UTC
03457 00153 37624 36635 84681 42144 02205 87782 38560 01515
46659 54004 65680 46487 54452 67722 76489 19802 58659 90878
80879 45365 25121 29911 02634 11733 20891 12013 84045 78677
66368 99168 11418 46337 49996 97649 30815 02971 01707 59975
84276 98200 57278 90822 99907 22528 44443 42299 65563 72033
37770 16308 42661 29695 01849 27918 61663 96783 64165 41536
40747 70152 01418 65386 58162 96325 53199 95177 71346 85384
74701 32672 46967 03861 69806 65999 37410 90697 61862 65384
96839 69342 08249 07714 56469 44621 00756 47020 60510 77671
91887 54084 63624 84555 00055 95232 86808 21161 33974 90605
08371 82581 56495 69961 87308 41548 78204 84444 75127 50315
17072 92612 43028 08809 78864 62972 99668 84797 34662 99600
95447 85876 86545 17075 64204 34117 35512 93508 33480 77044
67779 92289 24232 05406 85238 66219 18931 49063 01890 70557
50645 96017 29610 71341 15050 08555 17457 11242 41011 49522
88858 75018 87465 39531 66487 77315

9317/8117/7517 kHz, 04-01, 1600/1620/1640 UTC
00488 00103 65728 89435 80786 89678 85376 51750 73313 81436
33351 32700 50720 07838 39700 73565 70623 32787 55108 10703
61510 47992 40411 81475 76677 62789 80234 75279 22896 74400
44060 06902 37370 18626 24917 98175 40329 54656 44766 89633
97794 85017 46927 25592 17297 17530 71991 38637 36970 40997
44496 00245 29367 95623 16053 77193 48453 27503 45525 71187
50082 64350 93836 56870 61751 08040 53884 81069 37075 30980
10279 01105 77431 06962 79632 66535 62727 07988 79680 88096
61352 75184 51629 44868 15930 48350 25997 81151 74721 75832
54162 99072 25168 41804 65982 46462 19465 54080 37928 59982
69463 52674 24375 02411 31440 37347

9317/8117/7517 kHz, 06-01, 1600/1620/1640 UTC
05474 00001 00000 35264

9317/8117/7517 kHz, 11-01, 1600/1620/1640 UTC
05314 00001 00000 34656

9317/8117/7517 kHz, 13-01/18-01, 1600/1620/1640 UTC
04489 00153 37044 61692 48619 45593 81915 25081 38744 53630
85302 25232 37765 10251 35669 85566 85090 54668 13601 17528
16524 78183 66356 78351 70236 11478 70592 33562 91755 04587
64630 72150 48775 03103 97035 22504 73516 85425 20887 95775
50619 15569 61682 21487 21988 63472 28811 07682 33214 02689
76984 99873 63231 10803 98059 68139 67394 64221 87341 30160
59170 66820 73011 35950 33517 23084 02446 84740 81727 39650
46725 88449 94965 71914 33011 70242 42928 89810 96698 01018
68650 12112 00979 80617 39781 23567 04310 97803 08820 13452
51155 58258 17733 69067 22719 00097 06005 37664 52477 17130
69644 37360 12772 39090 90680 63314 67076 24190 75802 05914
09204 44287 18038 22956 51879 57568 42557 66836 61847 63921
43747 19478 68289 10618 10134 47177 77582 12543 61184 98052
59657 20149 63264 93600 80416 74000 14857 54920 99433 74880
98299 77956 09720 05976 59429 91192 59016 27988 29918 62867
73869 75345 73863 09182 13761 22112

9317/8117/7517 kHz, 20-01, 1600/1620/1640 UTC
03246 00001 00000 35257

9317/8117/7517 kHz, 25-01, 1600/1620/1640 UTC
05234 00001 00000 34260

9317/8117/7517 kHz, 27-01, 1600/1620/1640 UTC
00156 00182 70933 86783 82828 46989 89899 71844 86159 08751
04837 97388 49138 73790 39610 99641 15772 99915 11944 53680
84235 67996 87361 94348 00656 92623 62026 75184 04973 71809
69624 31175 67926 56029 04543 80216 00735 22181 06552 70632
14027 43495 15189 90275 26118 53222 18936 34150 99749 36377
79771 11952 38581 30061 10935 67941 48342 51332 73031 35619
11549 84492 97627 52803 57164 60266 33544 37269 27226 48704
50149 08311 52068 11726 44033 62500 66644 68026 05527 40773
59767 02725 37756 48215 57822 15815 26089 37566 59152 10691
54373 56424 85674 85465 86281 92399 21127 64782 25744 78404
59028 05427 66124 28014 24603 48633 52596 08273 96967 90648
55627 97466 63086 10739 58780 01852 25609 94529 65987 84236
94731 27276 88890 72477 01809 13525 39359 58304 38453 63520
51059 15972 64096 90339 19580 77146 01801 74726 45841 85555
09997 70149 43786 87080 40969 48719 70064 46093 94904 70002
19840 47341 46825 43705 79240 06808 90395 38470 73417 68917
60499 22578 40109 23144 09020 83191 53436 68610 88177 23220
70649 04703 24869 86743 14145 01032 76120 79415 69055 31927
84351 62383 90015 48450 33341

XPB1

15925 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1200 UTC
14825 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1210 UTC
13425 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1220 UTC
12125 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1230 UTC
10425 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1240 UTC
9325 kHz, 01-01/04-01/08-01/11-01/15-01/18-01/22-01/25-01/29-01, 1250 UTC

20069 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1300 UTC
19369 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1310 UTC
18269 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1320 UTC
17469 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1330 UTC
16269 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1340 UTC
15969 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1350 UTC

19343 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0600 UTC
18243 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0610 UTC
17443 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0620 UTC
16243 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0630 UTC
15843 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0640 UTC
14443 kHz, 06-01/07-01/13-01/14-01/20-01/21-01/27-01/28-01, 0650 UTC

X--- Russian Intelligence

Mode: MFSK-21/MFSK-13

19352 kHz, 15-01, 0830 UTC
18567 kHz, 15-01, 0905 UTC
16153 kHz, 15-01, 0909 UTC
14547 kHz, 15-01, 0915 UTC
18567 kHz, 15-01, 1333 UTC
16153 kHz, 15-01, 1337 UTC
14547 kHz, 15-01, 1341 UTC
18567 kHz, 15-01, 0905 UTC
17492 kHz, 17-01, 1417 UTC
15674 kHz, 17-01, 1421 UTC
13837 kHz, 17-01, 1425 UTC
18561 kHz, 21-01, 0714 UTC
18569 kHz, 21-01, 0841 UTC
16274 kHz, 21-01, 0846 UTC
17518 kHz, 21-01, 1307 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgary

14755 kHz, 15-01, 0923 UTC, RFSM
18515 kHz, 15-01, 1129 UTC, RFSM
17440 kHz, 15-01, 1328 UTC, RFSM
18455 kHz, 15-01, 1357 UTC, RFSM
14755 kHz, 16-01, 0929 UTC, RFSM
18515 kHz, 16-01, 1126 UTC, RFSM
17440 kHz, 16-01, 1325 UTC, RFSM
18455 kHz, 16-01, 1144 UTC, RFSM
14755 kHz, 17-01, 0920 UTC, RFSM
18515 kHz, 17-01, 1122 UTC, RFSM
17440 kHz, 17-01, 1328 UTC, RFSM
18455 kHz, 17-01, 1400 UTC, RFSM

14755 kHz, 21-02, 0921 UTC, RFSM
18515 kHz, 21-02, 1124 UTC, RFSM
17440 kHz, 21-02, 1325 UTC, RFSM
18455 kHz, 21-02, 1358 UTC, RFSM
14755 kHz, 24-01, 0923 UTC, RFSM
18515 kHz, 24-01, 1127 UTC, RFSM
17440 kHz, 24-01, 1324 UTC, RFSM
18455 kHz, 24-01, 1358 UTC, RFSM
14755 kHz, 27-01, 0926 UTC, RFSM
18515 kHz, 27-01, 1120 UTC, RFSM
17440 kHz, 27-01, 1323 UTC, RFSM
18455 kHz, 27-01, 1357 UTC, RFSM
14755 kHz, 28-01, 0930 UTC, RFSM
18515 kHz, 28-01, 1129 UTC, RFSM
17440 kHz, 28-01, 1321 UTC, RFSM
18455 kHz, 28-01, 1358 UTC, RFSM

Diplomatic stations: Egypt

20036.7 kHz, 09-01, 1553 UTC, SITOR-A 100/170	Unid embassy clg SSTU: MFA Cairo
20056.7 kHz, 09-01, 1602 UTC, SITOR-A 100/170	Unid embassy clg SSTU: MFA Cairo
20056.7 kHz, 14-01, 1128 UTC, SITOR-A 100/170	MFA Cairo wkg OOVC: Egyptian embassy New Delhi
20056.7 kHz, 14-01, 1245 UTC, SITOR-A 100/170	MFA Cairo clg KKXZ: Egyptian embassy Pretoria
20056.7 kHz, 14-01, 1321 UTC, SITOR-A 100/170	Egyptian embassy Washington clg SSTE: MFA Cairo
20055.0 kHz, 14-01, 1321 UTC, CODAN	66601: Egyptian embassy Washington connecting to 99903: MFA Cairo
20055.0 kHz, 14-01, 1322 UTC, CODAN	99903: MFA Cairo wkg 66601: Egyptian embassy Washington
20036.7 kHz, 27-01, 1605 UTC, SITOR-A 100/170	MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou
20035.0 kHz, 27-01, 1614 UTC, CODAN	99902: MFA Cairo wkg 33316: Egyptian embassy Ouagadougou
17426.7 kHz, 27-01, 1603 UTC, SITOR-A 100/170	MFA Cairo clg QQTQ: Egyptian embassy Belgrade
17426.7 kHz, 28-01, 1509 UTC, SITOR-A 100/170	MFA Cairo clg XBVC: Egyptian embassy Vienna
19101.7 kHz, 29-01, 0913 UTC, SITOR-A 100/170	Egyptian diplo
19100.0 kHz, 29-01, 0914 UTC, CODAN	Egyprian diplo
20056.7 kHz, 29-01, 1140 UTC, SITOR-A 100/170	MFA Cairo clg OOVC: Egyptian embassy Islamabad

Diplomatic stations: North Korea

13200 kHz, 06-01, 1222 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow msg 30276 to DPRK embassy Warsaw
16252 kHz, 06-01, 1234 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16252 kHz, 06-01, 1300 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg Permanet Mission Geneve
18650 kHz, 06-01, 1237 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
18650 kHz, 06-01, 1300 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Cairo
13200 kHz, 06-01, 1332 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Sofia
14600 kHz, 06-01, 1332 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16262 kHz, 13-01, 1232 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16262 kHz, 13-01, 1301 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg Permanent Mission Geneva
13200 kHz, 13-01, 1235 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
13200 kHz, 13-01, 1335 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Sofia
13200 kHz, 14-01, 0700 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow. Message #34 to DPRK embassy Warsaw
16252 kHz, 14-01, 0650 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow. Message #34 to DPRK embassy Rome
13200 kHz, 14-01, 1232 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
16252 kHz, 14-01, 1229 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow. Message #34 to DPRK embassy Rome
16252 kHz, 14-01, 1259 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg Permanent Mission Geneva
13200 kHz, 14-01, 1326 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Sofia
16252 kHz, 15-01, 0635 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
12500 kHz, 15-01, 0641 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
13200 kHz, 15-01, 0701 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
14300 kHz, 15-01, 0701 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Vienna
14300 kHz, 15-01, 0734 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Berlin
12500 kHz, 15-01, 0807 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16252 kHz, 15-01, 0807 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
16252 kHz, 15-01, 0811 UTC, DPRK-ARQ 1200/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
16252 kHz, 16-01, 0639 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg Permanent Mission Geneva

16252 kHz, 16-01, 0648 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow clg DPRK embassy Rome
16252 kHz, 16-01, 0649 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Rome wkg DPRK embassy Moscow
14300 kHz, 16-01, 0707 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Mowcow wkg DPRK embassy Vienna
14300 kHz, 16-01, 0736 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Berlin
11045 kHz, 16-01, 0804 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Stockholm
15500 kHz, 16-01, 0804 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Bucharest
16252 kHz, 16-01, 1230 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 16-01, 1305 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg Permanent Mission Geneva
15500 kHz, 16-01, 1331 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Bucharest
16252 kHz, 17-01, 0649 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow msg to DPRK embassy Rome
14300 kHz, 17-01, 0702 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow msg to DPRK embassy Vienna
14300 kHz, 17-01, 0730 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow msg to DPRK embassy Berlin
11045 kHz, 17-01, 0758 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow msg to DPRK embassy Stockholm
15500 kHz, 17-01, 0805 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow msg to DPRK embassy Bucharest
16252 kHz, 20-01, 1225 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 24-01, 1229 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg to DPRK embassy Rome
16252 kHz, 24-01, 1300 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg to DPRK embassy Rome
15500 kHz, 24-01, 1333 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg to DPRK embassy Rome
20820 kHz, 25-01, 0847 UTC, DPRK-ARQ 600/600 LSB MFA Pyongyang wkg unid embassy
20740 kHz, 25-01, 0856 UTC, DPRK-ARQ 600/600 LSB MFA Pyongyang wkg unid embassy
14200 kHz, 28-01, 0735 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Prague
14300 kHz, 28-01, 0735 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Berlin
16252 kHz, 28-01, 0746 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Rome
13200 kHz, 28-01, 0711 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Warsaw
18650 kHz, 28-01, 1306 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Cairo
16252 kHz, 28-01, 1231 UTC, DPRK-ARQ 1200/600 LSB DPRK embassy Rome wkg DPRK embassy Moscow
16252 kHz, 28-01, 1306 UTC, DPRK-ARQ 160/600 LSB DPRK embassy Moscow wkg Permanent Mission Geneva
16252 kHz, 29-01, 0633 UTC, DPRK-ARQ 1200/600 LSB DPRK embassy Rome wkg DPRK embassy Moscow
13200 kHz, 29-01, 0700 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Warsaw
14300 kHz, 29-01, 0700 UTC, DPRK-ARQ 1200/600 LSB DPRK embassy Rome wkg DPRK embassy Moscow
14300 kHz, 29-01, 0732 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Berlin
11045 kHz, 29-01, 0804 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Stockholm
16252 kHz, 29-01, 1308 UTC, DPRK-ARQ 1200/600 LSB DPRK embassy Moscow wkg Permamnent Mission to the UN, Geneve
16252 kHz, 29-01, 1357 UTC, DPRK-ARQ 1200/600 LSB DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 30-01, 0648 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Rome
14300 kHz, 30-01, 0703 UTC, DPRK-ARQ 600/600 LSB DPRK embassy Moscow wkg DPRK embassy Vienna

Diplomatic stations: Russia

10653 kHz, 10-01, 0935 UTC, MFSK-6 MFA Moscow clg 356412: Russian embassy Berlin
9288 kHz, 10-01, 0943 UTC, MFSK-66 Russian diplo
12142 kHz, 12-01, 0943 UTC, MFSK-6 MFA Moscow clg 261453: Russian embassy Cairo
19275 kHz, 13-01, 0917 UTC, Serdolik v2 Russian diplo
14686 kHz, 13-01, 0919 UTC, Serdolik v2 Russian diplo
16117 kHz, 13-01, 0924 UTC, MFSK-6 MFA Moscow clg 463125: Russian embassy Rabat
17523 kHz, 14-01, 0809 UTC, MFSK-6 MFA Moscow clg 542136: Russian embassy Beijing
14970 kHz, 14-01, 1012 UTC, MFSK-6 MFA Moscow clg 216354: Russian Consulate General Chennai
19480 kHz, 14-01, 1208 UTC, Serdolik v2 Russian diplo. Selcal
19478 kHz, 14-01, 1210 UTC, Serdolik v2 Russian diplo
19480 kHz, 14-01, 1213 UTC, Serdolik v2 Russian diplo. Selcal
18324 kHz, 14-01, 1215 UTC, Serdolik v2 Russian diplo. Selcal
18322 kHz, 14-01, 1216 UTC, Serdolik v2 Russian diplo
20811 kHz, 14-01, 1001 UTC, Serdolik v2 Russian diplo
20811 kHz, 14-01, 1003 UTC, Serdolik v2 Russian diplo
20815 kHz, 14-01, 1005 UTC, Serdolik v2 Russian diplo
20815 kHz, 14-01, 1017 UTC, Serdolik v2 Russian diplo
14650 kHz, 15-01, 1104 UTC, MFSK-6 MFA Moscow clg 215346: Russian Consulate General Mumbai
18753 kHz, 15-01, 1259 UTC, MFSK-66 Russian diplo
18245 kHz, 15-01, 1310 UTC, MFSK-6 MFA Moscow clg 231654: Russian embassy Abuja
16315 kHz, 16-01, 0727 UTC, Serdolik v2 Russian diplo. Selcal
16315 kHz, 16-01, 0731 UTC, Serdolik v2 Russian diplo. Selcal
16315 kHz, 16-01, 0734 UTC, Serdolik v2 Russian diplo. Selcal

19405 kHz, 16-01, 0737 UTC, MFSK-6 MFA Moscow clg 352416: Russian embassy Dar es Salaam
17519 kHz, 16-01, 0747 UTC, Serdolik v2 Russian diplo.
17534 kHz, 16-01, 0754 UTC, MFSK-6 MFA Moscow clg 351264: Russian embassy Abu Dhabi
16026 kHz, 16-01, 0758 UTC, Serdolik v2 Russian diplo
18197 kHz, 16-01, 0924 UTC, MFSK-6 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
19511 kHz, 16-01, 0703 UTC, MFSK-6 MFA Moscow clg 314265: Russian embassy Antanarivo
21824 kHz, 16-01, 0730 UTC, Serdolik v2 Russian diplo
21824 kHz, 16-01, 0733 UTC, Serdolik v2 Russian diplo
16315 kHz, 16-01, 0734 UTC, Serdolik v2 Russian diplo
17468 kHz, 16-01, 1332 UTC, MFSK-6 MFA Moscow clg 436512: Russian embassy Harare
17468 kHz, 16-01, 1347 UTC, MFSK-6 MFA Moscow clg 436512: Russian embassy Harare
12164 kHz, 17-01, 0819 UTC, Serdolik v2 Russian diplo
14826 kHz, 17-01, 0828 UTC, Serdolik v2 Russian diplo. Selcal
14828 kHz, 17-01, 0829 UTC, Serdolik v2 Russian diplo
13954 kHz, 17-01, 0835 UTC, MFSK-6 MFA Moscow clg 213546: Russian embassy Islamabad
14828 kHz, 17-01, 0842 UTC, Serdolik v2 Russian diplo. Selcal
16313 kHz, 17-01, 1224 UTC, Serdolik v2 Russian diplo
18230 kHz, 17-01, 1237 UTC, Serdolik v2 Russian diplo
14698 kHz, 17-01, 1335 UTC, MFSK-66 Russian diplo
16320 kHz, 17-01, 1339 UTC, MFSK-6 MFA Moscow clg 241563: Russian Consulate General Karachi
13393 kHz, 17-01, 1347 UTC, MFSK-66 Russian diplo
14377 kHz, 20-01, 0830 UTC, MFSK-6 MFA Moscow clg 432516: Russian embassy Bern
16169 kHz, 21-01, 0828 UTC, Serdolik v2 Russian diplo. Selcal
16169 kHz, 21-01, 0831 UTC, Serdolik v2 Russian diplo. Selcal
16169 kHz, 21-01, 0835 UTC, Serdolik v2 Russian diplo. Selcal
16169 kHz, 21-01, 0841 UTC, Serdolik v2 Russian diplo. Selcal
18523 kHz, 21-01, 0848 UTC, MFSK-6 MFA Moscow clg 325614: Russian embassy Nairobi
13401 kHz, 21-01, 0921 UTC, MFSK-66 Russian diplo
13401 kHz, 21-01, 0929 UTC, MFSK-6 MFA Moscow clg 154263: Russian embassy Rome
14615 kHz, 21-01, 0740 UTC, MFSK-6 MFA Moscow clg 125643: Russian embassy Ulaanbaatar
18523 kHz, 21-01, 0856 UTC, MFSK-6 MFA Moscow clg 325614: Russian embassy Nairobi
10814 kHz, 22-01, 0821 UTC, MFSK-66 Russian diplo
13369 kHz, 22-01, 0824 UTC, MFSK-6 MFA Moscow clg 412356: Russian embassy Budapest
16116 kHz, 22-01, 0851 UTC, MFSK-6 MFA Moscow clg 134265: Russian embassy Tunis
11562 kHz, 22-01, 0858 UTC, Serdolik v2 Russian diplo
11562 kHz, 22-01, 0905 UTC, Serdolik v2 Russian diplo
14550 kHz, 23-01, 0811 UTC, MFSK-6 MFA Moscow clg 153624: Russian embassy Damascus
12126 kHz, 23-01, 0752 UTC, MFSK-6 MFA Moscow clg 521634: Russian embassy Bucharest
11156 kHz, 24-01, 0735 UTC, Serdolik v2 Russian diplo. Selcal
11156 kHz, 24-01, 0738 UTC, Serdolik v2 Russian diplo. Selcal
11158 kHz, 24-01, 0740 UTC, Serdolik v2 Russian diplo
11158 kHz, 24-01, 0751 UTC, Serdolik v2 Russian diplo
14501 kHz, 24-01, 0914 UTC, MFSK-66 Russian diplo
20605 kHz, 24-01, 0954 UTC, MFSK-6 MFA Moscow clg 256134: Russian embassy Abidjan
16060 kHz, 26-01, 0917 UTC, MFSK-6 MFA Moscow clg 261453: Russian embassy Cairo
14844 kHz, 27-01, 0809 UTC, Serdolik v2 Russian diplo. Test
14846 kHz, 27-01, 0815 UTC, Serdolik v2 Russian diplo. Selcal
17468 kHz, 27-01, 0816 UTC, Serdolik v2 Russian diplo. Selcal
14846 kHz, 27-01, 0818 UTC, Serdolik v2 Russian diplo. Selcal
17468 kHz, 27-01, 0819 UTC, Serdolik v2 Russian diplo. Selcal
17475 kHz, 27-01, 0821 UTC, MFSK-6 MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 27-01, 0823 UTC, Serdolik v2 Russian diplo. Test
17466 kHz, 27-01, 0826 UTC, Serdolik v2 Russian diplo. Test
14844 kHz, 27-01, 0827 UTC, Serdolik v2 Russian diplo. Test
17466 kHz, 27-01, 0833 UTC, Serdolik v2 Russian diplo. Test
14844 kHz, 27-01, 0834 UTC, Serdolik v2 Russian diplo. Test
18331 kHz, 27-01, 0836 UTC, Serdolik v2 Russian diplo
19235 kHz, 27-01, 0937 UTC, MFSK-6 MFA Moscow clg 463125: Russian embassy Rabat
19275 kHz, 27-01, 0929 UTC, Serdolik v2 Russian diplo. Selcal
19273 kHz, 27-01, 0930 UTC, Serdolik v2 Russian diplo
16257 kHz, 28-01, 0806 UTC, MFSK-6 MFA Moscow clg 542136: Russian embassy Beijing
11545 kHz, 28-01, 0804 UTC, MFSK-6 MFA Moscow clg 534216: Russian embassy Baghdad
20815 kHz, 28-01, 1015 UTC, Serdolik v2 Russian diplo

20813 kHz, 28-01, 1026 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20815 kHz, 28-01, 1020 UTC, Serdolik v2	Russian diplo
12213 kHz, 28-01, 1224 UTC, MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva

CLANDESTINE / TARGETED RADIO & JAMMERS

11415 kHz, 17-01, 0615 UTC Radio Denge Welat. Kurdish program jammed by Radio Recep Erdogan

Russian/Ukrainian radio war

6911 kHz, 17-01, 0606 UTC	Non-stop Russian national anthem, also on 7032/7546/9310 kHz
7055 kHz, 17-01, 0622 UTC	The usual swearing and insulting
7060 kHz, 17-01, 0622 UTC	The usual swearing and insulting
6911 kHz, 18-01, 0615 UTC	Stalingrad clock
6911 kHz, 27-01, 1741 UTC	Stalingrad clock

STALINGRAD CLOCK – PRIYOM.ORG STUDY

We received an excellent report from Priyom.org about the Stalingrad Clock station. Thanks for that !

2025-01-20 162744z 6911kHz female voice sample in a loop for about 15 minutes
"Внимание, проверка звуковой системы оповещения" Russian for "Attention, testing the sound warning system." Preceded by the usual metallic alarm sounds, followed by the usual so-called Stalingrad Clock sound.

https://priyom.org/media/345980/6911usb-20250120-162700z-vnimaniye-proverka-full-bytm.ogg
https://priyom.org/media/345977/6911usb-20250120-164123z-vnimaniye-proverka-bytm.ogg

Our evidence-based study and analysis has led us at Priyom to believe that 6911kHz is part of a Russian military network related to the four oblasts in eastern Ukraine, of Donetsk, Kherson, Luhansk and Zaporizhzhia, which were formally annexed by Russia on September 30th, 2022. October 2022 is when shortwave monitors started logging these strange high-power, high-quality J3E USB continuous music loops transmissions of various songs, including the now-infamous pop/rock version of the Russian anthem.

The 6911kHz frequency itself, among many others, came in use with the reorganization of Russian military districts on March 1st, 2024. There are several points to make about that event. The main publicized change was the Western District getting split back into the two, separate Moscow and Leningrad Districts, reverting to the situation before their merger in 2010 (the event that was tied and greatly contributed to the Buzzer's modern infamous popularity). Among the new Russian military channels that appeared in March 2024 and occasionally broadcast Russian patriotic music, many of them are believed to be disjointed from 6911kHz operations, having been linked instead to Buzzer operations (in particular, jamming of pirates using CIS-12), and to its Kerro transmission site, and thus to the former Western Military District.

6911kHz and other channels on the same network would instead be linked to the Southern Military District. I have seen conflicting information about when exactly the four oblasts formally annexed in September 2022 were officially included into the Southern District. It was definitely mentioned in the decree of the March 2024 reorganization:

https://priyom.org/blog/putin's-decree-reorganizing-russia's-military-districts
https://tass.ru/armiya-i-opk/20087591

However, I also found reports predating this:

https://web.archive.org/web/20230204110945/https://news.yahoo.com/russia-includes-occupied-territories-southern-103400149.html

Either way, that shortwave network for those annexed oblasts undergoing a reorganization, including the appearance of 6911kHz, corresponds with related changes in the Russian military organizational structure.

Getting back to the January 20th looped message, it is our belief that the candid interpretation - that this shortwave channel really operates a military warning system, and that there was a test broadcast for it that day - would be correct. Besides the gigantic psyops purposes of all these Russian patriotic songs and other, frightening sounds, we are led to believe that there could be some actual, functional purpose to this military network.

A last point: this looped warning message was broadcast right during President Trump's inauguration ceremony. Make of that what you will.

UTILITY ROUND-UP

Unid stations

Unid station a.k.a. New Buzzer. It always sends on three parallel frequencies.

5365 kHz, 01-01, 1647 UTC
6365 kHz, 01-01, 1647 UTC
8365 kHz, 01-01, 1647 UTC

5782 kHz, 10-01, 1958 UTC
5950 kHz, 10-01, 1958 UTC
6930 kHz, 10-01, 1958 UTC

5782 kHz, 20-01, 2006 UTC
5950 kHz, 20-01, 2006 UTC
6930 kHz, 20-01, 2006 UTC

5782 kHz, 27-01, 1653 UTC
5950 kHz, 27-01, 1653 UTC
6930 kHz, 27-01, 1653 UTC

5365 kHz, 02-01, 1714 UTC
6365 kHz, 02-01, 1714 UTC
8365 kHz, 02-01, 1714 UTC

5365 kHz, 15-01, 1718 UTC
6365 kHz, 15-01, 1718 UTC
8365 kHz, 15-01, 1718 UTC

5365 kHz, 22-01, 1459 UTC
6365 kHz, 22-01, 1459 UTC
8365 kHz, 22-01, 1459 UTC

5782 kHz, 29-01, 2058 UTC
5950 kHz, 29-01, 2058 UTC
6930 kHz, 29-01, 2058 UTC

5782 kHz, 03-01, 1822 UTC
5950 kHz, 03-01, 1822 UTC
6930 kHz, 03-01, 1822 UTC

5782 kHz, 15-01, 2035 UTC
5950 kHz, 15-01, 2035 UTC
6930 kHz, 15-01, 2035 UTC

5782 kHz, 23-01, 1759 UTC
5950 kHz, 23-01, 1759 UTC
6930 kHz, 23-01, 1759 UTC

5782 kHz, 30-01,2118 UTC
5950 kHz, 30-01,2118 UTC
6930 kHz, 30-01,2118 UTC

5365 kHz, 08-01, 1719 UTC
6365 kHz, 08-01, 1719 UTC
8365 kHz, 08-01, 1719 UTC

5782 kHz, 17-01, 1734 UTC
5950 kHz, 17-01, 1734 UTC
6930 kHz, 17-01, 1734 UTC

5782 kHz, 24-01, 1717 UTC
5950 kHz, 24-01, 1717 UTC
6930 kHz, 24-01, 1717 UTC

5782 kHz, 31-01, 1800 UTC
5950 kHz, 31-01, 1800 UTC
6930 kHz, 31-01, 1800 UTC

5782 kHz, 08-01, 2036 UTC
5950 kHz, 08-01, 2036 UTC
6930 kHz, 08-01, 2036 UTC

5782 kHz, 18-01, 2200 UTC
5950 kHz, 18-01, 2200 UTC
6930 kHz, 18-01, 2200 UTC

5782 kHz, 25-01, 1958 UTC
5950 kHz, 25-01, 1958 UTC
6930 kHz, 25-01, 1958 UTC

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

Russian Air Force morse traffic

14856 kHz, 18-01, 0930 UTC, CW
REA4 REA4 =
18080 99900 17120 73842 75997 81704 11187 21220 88022
= REA4 K

14856 kHz, 18-01, 1040 UTC, CW
REA4 REA4 =
18090 99900 17120 62596 85496 41202 11124 21125 71022 80500 916
= REA4 K

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
BUL	15-1	0923	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	15-1	1129	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	15-1	1328	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	15-1	1357	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	16-1	0929	14755	Thu	Bulgarian diplo	RFSM	(AB)
BUL	16-1	1126	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	16-1	1144	18455	Thu	Bulgarian diplo	RFSM	(AB)
BUL	16-1	1325	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	17-1	0920	14755	Fri	Bulgarian diplo	RFSM	(AB)
BUL	17-1	1122	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	17-1	1328	17440	Fri	Bulgarian diplo	RFSM	(AB)
BUL	17-1	1400	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	21-1	0921	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	21-1	1124	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	21-1	1325	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	21-1	1358	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	24-1	0923	14755	Fri	Bulgarian diplo	RFSM	(AB)
BUL	24-1	1127	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	24-1	1324	17440	Fri	Bulgarian diplo	RFSM	(AB)
BUL	24-1	1358	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	27-1	0926	14755	Mon	Bulgarian diplo	RFSM	(AB)
BUL	27-1	1120	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	27-1	1323	17440	Mon	Bulgarian diplo	RFSM	(AB)
BUL	27-1	1357	18455	Mon	Bulgarian diplo	RFSM	(AB)
BUL	28-1	0930	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	28-1	1129	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	28-1	1321	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	28-1	1358	18455	Tue	Bulgarian diplo	RFSM	(AB)
E06	4-1	1600	9075	Sat	480 725 44 02548 53632 54312 ... 12709 81047 12471 725 44 00000	USB	(AB)
E06	4-1	1630	6792	Sat	480 725 44 02548 53632 54312 ... 12709 81047 12471 725 44 00000	USB	(AB)
E06	5-1	0730	11487	Sun	480 725 44 02548 53632 54312 ... 12709 81047 12471 725 44 00000	USB	(AB-POL)
E06	5-1	0800	9371	Sun	480 725 44 02548 53632 54312 ... 12709 81047 12471 725 44 00000	USB	(AB-POL)
E06	11-1	1600	9075	Sat	480 279 45 35708 67317 45146 ... 92145 08269 05612 279 45 00000	USB	(AB)
E06	11-1	1630	6792	Sat	480 279 45 35708 67317 45146 ... 92145 08269 05612 279 45 00000	USB	(AB)
E06	12-1	0730	11487	Sun	480 279 45 35708 67317 45146 ... 92145 08269 05612 279 45 00000	USB	(AB-POL)
E06	12-1	0800	9371	Sun	480 279 45 35708 67317 45146 ... 92145 08269 05612 279 45 00000	USB	(AB-POL)
E06	25-1	1600	9075	Sat	480 739 42 96581 32723 97657 ... 04509 73464 58626 739 42 00000	USB	(AB)
E06	25-1	1630	6792	Sat	480 739 42 96581 32723 97657 ... 04509 73464 58626 739 42 00000	USB	(AB)

E06	26-1	0730	11487	Sun	480 739 42 96581 32723 97657 ... 04509 73464 58626 739 42 00000	USB	(AB)
E06	26-1	0800	9371	Sun	480 739 42 96581 32723 97657 ... 04509 73464 58626 739 42 00000	USB	(AB-POL)
E07	2-1	1410	11593	Thu	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB/HFD/Lac)
E07	2-1	1430	10293	Thu	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB/HFD/Lac)
E07	2-1	1450	9293	Thu	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB/HFD)
E07	3-1	1500	13375	Fri	313 313 313 000	USB	(AB/HFD)
E07	3-1	1520	12175	Fri	313 313 313 000	USB	(AB/HFD)
E07	4-1	1410	11593	Sat	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB)
E07	4-1	1430	10293	Sat	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB)
E07	4-1	1450	9293	Sat	916 916 916 1 169 88 169 88 57024 02510 18432 ... 54705 74737 86272 000 000	USB	(AB)
E07	7-1	1500	13375	Tue	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB)
E07	7-1	1520	12175	Tue	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB/Lac)
E07	7-1	1540	10375	Tue	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB/Lac)
E07	9-1	1410	11593	Thu	916 916 916 000	USB	(AB)
E07	9-1	1430	10293	Thu	916 916 916 000	USB	(AB)
E07	10-1	1500	13375	Fri	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB)
E07	10-1	1520	12175	Fri	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB)
E07	10-1	1540	10375	Fri	313 313 313 1 419 175 419 175 85472 13777 57130 ... 01053 52137 18808 000 000	USB	(AB)
E07	11-1	1410	11593	Sat	916 916 916 000	USB	(AB)
E07	11-1	1430	10293	Sat	916 916 916 000	USB	(AB)
E07	14-1	1500	13375	Tue	313 313 313 000	USB	(AB)
E07	14-1	1520	12175	Tue	313 313 313 000	USB	(AB)
E07	16-1	1410	11593	Thu	916 916 916 1 714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB/Lac)
E07	16-1	1430	10293	Thu	916 916 916 1 714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB/Lac)
E07	16-1	1450	9293	Thu	916 916 916 1 714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB/Lac)
E07	17-1	1500	13375	Fri	313 313 313 000	USB	(AB)
E07	17-1	1520	12175	Fri	313 313 313 000	USB	(AB)
E07	18-1	1410	11593	Sat	916 916 916 1714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB)
E07	18-1	1430	10293	Sat	916 916 916 1714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB)
E07	18-1	1450	9293	Sat	916 916 916 1714 125 714 125 63113 36569 01631 ... 24221 98512 65747 000 000	DSB	(AB)
E07	21-1	1500	13375	Tue	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB/Lac)
E07	21-1	1520	12175	Tue	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB/Lac)
E07	21-1	1540	10375	Tue	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB/Lac)
E07	23-1	1410	11593	Thu	916 916 916 000	DSB	(AB)
E07	23-1	1430	10293	Thu	916 916 916 000	DSB	(AB)
E07	24-1	1500	13375	Fri	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB)
E07	24-1	1520	12175	Fri	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB)
E07	24-1	1540	10375	Fri	313 313 313 1 2949 112 2949 112 65382 41961 26348 ... 65585 59369 09206 000 000	USB	(AB)
E07	25-1	1410	11593	Sat	916 916 916 000	DSB	(AB)
E07	25-1	1430	10293	Sat	916 916 916 000	DSB	(AB)
E07	28-1	1500	13375	Tue	313 313 313 000	USB	(AB)
E07	28-1	1520	12175	Tue	313 313 313 000	USB	(AB)

E07	30-1	1410	11593	Thu	916 916 916 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/Lac)
E07	30-1	1430	10293	Thu	916 916 916 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/Lac)
E07	30-1	1450	9293	Thu	916 916 916 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/Lac)
E07	31-1	1500	13375	Fri	313 313 313 000	USB	(AB)
E07	31-1	1520	12175	Fri	313 313 313 000	USB	(AB)
E11	1-1	0715	20167	Wed	751/00 Out	USB	(AB/Lac)
E11	1-1	0745	17378	Wed	346/00 Out	USB	(AB/Lac)
E11	1-1	0820	14611	Wed	136/00 Out	USB	(AB)
E11	1-1	0845	12067	Wed	710/00 Out	USB	(AB)
E11	1-1	0900	15915	Wed	530/00 Out	USB	(AB)
E11	1-1	0930	7469	Wed	275/00 Out	USB	(AB)
E11	1-1	1045	14410	Wed	691/00 Out	USB	(AB)
E11	1-1	1205	11559	Wed	462/00 Out	USB	(AB)
E11	1-1	1715	5082	Wed	974/00 Out	USB	(AB)
E11	1-1	1850	11486	Wed	Too weak to copy	USB	(AB)
E11	2-1	0645	7840	Thu	512/00 Out	USB	(PY)
E11	2-1	0745	13908	Thu	227/00 Out	USB	(AB/Lac)
E11	2-1	0845	17378	Thu	150/00 Out	USB	(AB/Lac)
E11	2-1	0930	7469	Thu	278/00 Out	USB	(AB)
E11	2-1	1300	4909	Thu	313/00 Out	USB	(AB)
E11	2-1	1530	5409	Thu	268/00 Out	USB	(AB/Lac)
E11	2-1	1900	6849	Thu	649/00 Out	USB	(AB)
E11	2-1	2000	5082	Thu	521/00 Out	USB	(AB)
E11	3-1	0700	6804	Fri	579/00 Out	USB	(AB)
E11	3-1	0715	14975	Fri	630/00 Out	USB	(AB)
E11	3-1	0745	17378	Fri	348/00 Out	USB	(AB)
E11	3-1	0830	23353	Fri	185/00 Out	USB	(AB)
E11	3-1	1000	9079	Fri	304/00 Out	USB	(AB)
E11	3-1	1715	5082	Fri	977/00 Out	USB	(AB)
E11	3-1	1815	6849	Fri	921/00 Out	USB	(AB)
E11	4-1	0700	5371	Sat	498/00 Out	USB	(AB)
E11	4-1	1430	13363	Sat	911/00 Out	USB	(AB)
E11	4-1	1645	4909	Sat	369/00 Out	USB	(AB)
E11	5-1	0700	5371	Sun	497/00 Out	USB	(AB)
E11	5-1	1605	5432	Sun	231/00 Out	USB	(AB)
E11	5-1	1645	4909	Sun	363/00 Out	USB	(AB)
E11	5-1	1745	12924	Sun	240/00 Out	USB	(AB)
E11	5-1	1815	6849	Sun	926/00 Out	USB	(AB)
E11	5-1	2000	5082	Sun	527/00 Out	USB	(AB)
E11	6-1	0600	23004	Mon	945/00 Out	USB	(AB)
E11	6-1	0745	10213	Mon	264/00 Out	USB	(AB/Lac)
E11	6-1	0830	23353	Mon	189/00 Out	USB	(AB/Lac)

E11	6-1	0845	12067	Mon	715/00 Out	USB	(AB/Lac)
E11	6-1	1045	14410	Mon	690/00 Out	USB	(AB)
E11	7-1	0645	7840	Tue	511/00 Out	USB	(AB/PY)
E11	7-1	0700	6804	Tue	579/00 Out	USB	(AB)
E11	7-1	0715	14975	Tue	634/00 Out	USB	(AB)
E11	7-1	0820	14611	Tue	136/00 Out	USB	(AB/Lac)
E11	7-1	0845	17378	Tue	151/00 Out	USB	(AB/Lac)
E11	7-1	1000	9079	Tue	305/00 Out	USB	(AB)
E11	7-1	1205	11559	Tue	461/00 Out	USB	(AB)
E11	7-1	1430	13363	Tue	914/00 Out	USB	(AB)
E11	7-1	1605	5432	Tue	235/00 Out	USB	(AB)
E11	8-1	0745	17378	Wed	343/00 Out	USB	(AB-POL)
E11	8-1	0820	14611	Wed	134/00 Out	USB	(AB)
E11	8-1	0845	12067	Wed	710/00 Out	USB	(AB)
E11	8-1	0930	7469	Wed	271/00 Out	USB	(AB)
E11	8-1	1045	14410	Wed	692/00 Out	USB	(AB)
E11	8-1	1205	11559	Wed	461/00 Out	USB	(AB)
E11	8-1	1610	4505	Wed	391/00 Out	USB	(AB)
E11	8-1	1715	5082	Wed	970/00 Out	USB	(AB)
E11	9-1	0645	7840	Thu	510/00 Out	USB	(AB/PY)
E11	9-1	0820	11104	Thu	436/00 Out	USB	(AB)
E11	9-1	0845	17378	Thu	152/00 Out	USB	(AB)
E11	9-1	0930	7469	Thu	271/00 Out	USB	(AB)
E11	9-1	1530	5409	Thu	Tone at 1533z	USB	(AB)
E11	9-1	1900	6849	Thu	647/00 Out	USB	(AB)
E11	9-1	2000	5082	Thu	524/00 Out	USB	(AB)
E11	10-1	0600	7850	Fri	351/00 Out	USB	(AB)
E11	10-1	0700	6804	Fri	575/00 Out	USB	(AB)
E11	10-1	0715	14975	Fri	636/00 Out	USB	(AB)
E11	10-1	0745	17378	Fri	346/00 Out	USB	(AB)
E11	10-1	0820	11104	Fri	438/00 Out	USB	(AB)
E11	10-1	0830	23353	Fri	183/00 Out	USB	(AB)
E11	10-1	1000	9079	Fri	304/00 Out	USB	(AB)
E11	11-1	1610	4505	Sat	393/00 Out	USB	(AB)
E11	12-1	0600	7850	Sun	358/00 Out	USB	(AB)
E11	12-1	0700	5371	Sun	492/00 Out	USB	(AB)
E11	12-1	1605	5432	Sun	237/00 Out	USB	(AB)
E11	12-1	1815	6849	Sun	927/00 Out	USB	(AB)
E11	12-1	1910	10487	Sun	611/00 Out	USB	(AB-POL)
E11	12-1	2000	5082	Sun	520/00 Out	USB	(AB)
E11	13-1	0600	23004	Mon	941/00 Out	USB	(AB)
E11	13-1	0715	20167	Mon	755/00 Out	USB	(AB-POL)

E11	13-1	0830	23353	Mon	182/00 Out	USB	(AB)
E11	13-1	0900	15915	Mon	537/00 Out	USB	(AB)
E11	13-1	1045	14410	Mon	693/00 Out	USB	(AB)
E11	13-1	1300	4909	Mon	311/00 Out	USB	(AB-POL)
E11	13-1	1745	12924	Mon	Null message. Too weak to copy	USB	(AB)
E11	13-1	1900	6849	Mon	641/00 Out	USB	(AB)
E11	14-1	0700	6804	Tue	579/00 Out	USB	(AB)
E11	14-1	0745	13908	Tue	224/00 Out	USB	(AB)
E11	14-1	0820	14611	Tue	130/00 Out	USB	(AB)
E11	14-1	0845	17378	Tue	152/00 Out	USB	(AB)
E11	14-1	1505	12153	Tue	Too weak to copy	USB	(AB)
E11	15-1	0600	23004	Wed	944/00 Out	USB	(AB-POL)
E11	15-1	0715	20167	Wed	750/00 Out	USB	(AB-POL)
E11	15-1	0820	14611	Wed	132/00 Out	USB	(AB)
E11	15-1	0845	12067	Wed	713/00 Out	USB	(AB)
E11	15-1	0900	15915	Wed	536/00 Out	USB	(AB)
E11	15-1	0930	7469	Wed	276/00 Out	USB	(AB)
E11	15-1	1045	14410	Wed	692/00 Out	USB	(AB)
E11	15-1	1610	4505	Wed	391/00 Out	USB	(AB)
E11	15-1	1715	5082	Wed	975/00 Out	USB	(AB)
E11	16-1	0745	13908	Thu	227/00 Out	USB	(AB)
E11	16-1	0930	7469	Thu	276/00 Out	USB	(AB)
E11	16-1	1300	4909	Thu	312/00 Out	USB	(AB)
E11	16-1	1900	6849	Thu	640/00 Out	USB	(AB)
E11	17-1	0600	7850	Fri	351/00 Out	USB	(AB)
E11	17-1	0700	6804	Fri	573/00 Out	USB	(AB)
E11	17-1	0820	11104	Fri	436/00 Out	USB	(AB)
E11	17-1	0830	23353	Fri	181/00 Out	USB	(AB)
E11	17-1	1715	5082	Fri	970/00 Out	USB	(AB)
E11	17-1	1815	6849	Fri	929/00 Out	USB	(AB)
E11	17-1	1910	10487	Fri	614/00 Out	USB	(AB-POL)
E11	18-1	0700	5371	Sat	498/00 Out	USB	(AB)
E11	18-1	1610	4505	Sat	399/00 Out	USB	(AB)
E11	18-1	1645	4909	Sat	369/00 Out	USB	(AB)
E11	19-1	0600	7850	Sun	350/00 Out	USB	(AB)
E11	19-1	0700	5371	Sun	496/00 Out	USB	(AB)
E11	19-1	1645	4909	Sun	366/00 Out	USB	(AB)
E11	19-1	1745	12924	Sun	240/00 Out	USB	(AB-POL)
E11	19-1	1815	6849	Sun	920/00 Out	USB	(AB)
E11	19-1	1910	10487	Sun	617/00 Out	USB	(AB-POL)
E11	20-1	0600	23004	Mon	941/00 Out	USB	(AB-POL)
E11	20-1	0715	20167	Mon	752/00 Out	USB	(AB-POL)

E11	20-1	0745	10213	Mon	267/00 Out	USB	(AB/Lac)
E11	20-1	0900	15915	Mon	537/00 Out	USB	(AB/Lac)
E11	20-1	1300	4909	Mon	314/00 Out	USB	(AB-POL)
E11	20-1	1745	12924	Mon	248/00 Out	USB	(AB-POL)
E11	20-1	1900	6849	Mon	641/00 Out	USB	(AB)
E11	21-1	0645	7840	Tue	514/00 Out	USB	(AB/PY)
E11	21-1	0715	14975	Tue	633/00 Out	USB	(AB)
E11	21-1	0745	13908	Tue	224/00 Out	USB	(AB)
E11	21-1	1000	9079	Tue	306/00 Out	USB	(AB)
E11	21-1	1205	11559	Tue	462/00 Out	USB	(AB)
E11	21-1	1430	13363	Tue	917/00 Out	USB	(AB)
E11	21-1	1605	5432	Tue	238/00 Out	USB	(AB)
E11	22-1	0315	12089	Wed	255/00 Out	USB	(AB)
E11	22-1	0715	20167	Wed	Test tone. No transmission	USB	(AB-POL)
E11	22-1	0820	14611	Wed	Test tone. No transmission	USB	(AB)
E11	22-1	0900	15915	Wed	533/00 Out	USB	(AB)
E11	22-1	1205	11559	Wed	461/00 Out	USB	(AB)
E11	22-1	1610	4505	Wed	392/00 Out	USB	(AB)
E11	23-1	0645	7840	Thu	515/00 Out	USB	(AB/PY)
E11	23-1	0745	13908	Thu	229/00 Out	USB	(AB)
E11	23-1	0820	11104	Thu	435/00 Out	USB	(AB)
E11	23-1	1300	4909	Thu	315/00 Out	USB	(AB)
E11	23-1	1505	12153	Thu	332/00 Out	USB	(TM)
E11	23-1	1530	5409	Thu	268/00 Out	USB	(AB)
E11	23-1	1900	6849	Thu	649/00 Out	USB	(AB)
E11	23-1	2000	5082	Thu	524/00 Out	USB	(AB)
E11	24-1	0600	7850	Fri	352/00 Out	USB	(AB)
E11	24-1	0715	14975	Fri	631/00 Out	USB	(AB)
E11	24-1	0745	17378	Fri	349/00 Out	USB	(AB)
E11	24-1	0820	11104	Fri	439/00 Out	USB	(AB)
E11	24-1	1000	9079	Fri	302/00 Out	USB	(AB)
E11	24-1	1910	10487	Fri	616/00 Out	USB	(AB-POL)
E11	25-1	1430	13363	Sat	915/00 Out	USB	(AB)
E11	25-1	1610	4505	Sat	393/00 Out	USB	(AB)
E11	25-1	1645	4909	Sat	364/00 Out	USB	(AB)
E11	26-1	0600	7850	Sun	353/00 Out	USB	(AB)
E11	26-1	1605	5432	Sun	233/00 Out	USB	(AB)
E11	26-1	1645	4909	Sun	365/00 Out	USB	(AB)
E11	26-1	1745	12924	Sun	242/00 Out	USB	(AB-POL)
E11	26-1	1910	10487	Sun	616/00 Out	USB	(AB-POL)
E11	26-1	2000	5082	Sun	520/00 Out	USB	(AB)
E11	27-1	0715	20167	Mon	752/00 Out	USB	(AB-POL)

E11	27-1	0745	10213	Mon	269/00 Out	USB	(AB)
E11	27-1	0830	23353	Mon	189/00 Out	USB	(AB-POL)
E11	27-1	0845	12067	Mon	719/00 Out	USB	(AB)
E11	27-1	0900	15915	Mon	538/00 Out	USB	(AB)
E11	27-1	1045	14410	Mon	698/00 Out	USB	(AB)
E11	27-1	1300	4909	Mon	311/00 Out	USB	(AB-POL)
E11	27-1	1745	12924	Mon	247/00 Out	USB	(AB-POL)
E11	28-1	0645	7840	Tue	515/00 Out	USB	(AB/PY)
E11	28-1	0700	6804	Tue	577/00 Out	USB	(AB)
E11	28-1	0715	14975	Tue	637/00 Out	USB	(AB)
E11	28-1	0745	13908	Tue	223/00 Out	USB	(AB)
E11	28-1	0820	14611	Tue	134/00 Out	USB	(AB)
E11	28-1	0845	17378	Tue	151/00 Out	USB	(AB)
E11	28-1	1000	9079	Tue	307/00 Out	USB	(AB)
E11	28-1	1205	11559	Tue	464/00 Out	USB	(AB)
E11	28-1	1430	13363	Tue	914/00 Out	USB	(AB)
E11	28-1	1505	12153	Tue	330/00 Out	USB	(TM)
E11	28-1	1605	5432	Tue	238/00 Out	USB	(AB)
E11	29-1	0715	20167	Wed	751/00 Out	USB	(AB-POL)
E11	29-1	0745	17378	Wed	340/00 Out	USB	(AB-POL)
E11	29-1	0820	14611	Wed	136/00 Out	USB	(AB)
E11	29-1	0845	12067	Wed	715/00 Out	USB	(AB)
E11	29-1	0900	15915	Wed	534/00 Out	USB	(AB)
E11	29-1	0930	7469	Wed	275/00 Out	USB	(AB-POL)
E11	29-1	1045	14410	Wed	694/00 Out	USB	(AB)
E11	29-1	1205	11559	Wed	466/00 Out	USB	(AB)
E11	29-1	1610	4505	Wed	392/00 Out	USB	(AB)
E11	29-1	1715	5082	Wed	970/00 Out	USB	(AB)
E11	30-1	0645	7840	Thu	510/00 Out	USB	(AB/PY)
E11	30-1	0745	13908	Thu	224/00 Out	USB	(AB)
E11	30-1	0820	11104	Thu	438/00 Out	USB	(AB)
E11	30-1	0845	17378	Thu	154/00 Out	USB	(AB)
E11	30-1	0930	7469	Thu	279/00 Out	USB	(AB)
E11	30-1	1300	4909	Thu	315/00 Out	USB	(AB)
E11	30-1	1530	5409	Thu	266/00 Out	USB	(AB)
E11	30-1	2000	5082	Thu	520/00 Out	USB	(AB)
E11	31-1	0600	7850	Fri	350/00 Out	USB	(AB)
E11	31-1	0700	6804	Fri	573/00 Out	USB	(AB)
E11	31-1	0715	14975	Fri	635/00 Out	USB	(AB)
E11	31-1	0745	17378	Fri	343/00 Out	USB	(AB)
E11	31-1	0820	11104	Fri	430/00 Out	USB	(AB)
E11	31-1	0830	23353	Fri	183/00 Out	USB	(AB)

E11	31-1	1000	9079	Fri	308/00 Out	USB	(AB)
E11	31-1	1715	5082	Fri	978/00 Out	USB	(AB)
E11	31-1	1815	6849	Fri	927/00 Out	USB	(AB)
E11	31-1	1910	10487	Fri	614/00 Out	USB	(AB-POL)
E11a	1-1	1610	4505	Wed	393/31 Attention 89888 83601 13873 ... 02045 58450 13409 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	2-1	0820	11104	Thu	431/37 Attention 85647 97864 12451 ... 07060 95860 83221 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	3-1	0600	7850	Fri	359/39 Attention 12236 05016 72105 ... 82579 84099 69418 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	3-1	0820	11104	Fri	431/37 Attention 85647 97864 12451 ... 07060 95860 83221 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	3-1	1910	10487	Fri	613/34 Attention 36836 11520 24806 ... 78806 44450 40135 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	4-1	1610	4505	Sat	393/31 Attention 89888 83601 13873 ... 02045 58450 13409 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	4-1	1905	4298	Sat	121/30 Attention 29966 15115 16938 ... 24379 27974 01829 Attention (msg rptd) Out	USB	(PY)
E11a	5-1	0600	7850	Sun	359/39 Attention 12236 05016 72105 ... 82579 84099 69418 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	5-1	1910	10487	Sun	613/34 Attention 36836 11520 24806 ... 78806 44450 40135 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-1	0715	20167	Mon	750/34 Attention 07200 55749 09646 ... 63429 30702 48581 Attention (msg rptd) Out	USB	(Lac)
E11a	6-1	0900	15915	Mon	530/34 Attention 13762 26460 76379 ... 24766 23001 05092 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	6-1	1300	4909	Mon	312/38 Attention 95929 99611 91457 ... 73289 23867 54790 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-1	1745	12924	Mon	249/40 Attention 59650 49046 38763 ... 63625 88668 34746 Attention (msg rptd) Out	USB	(Lac)
E11a	7-1	0745	13908	Tue	223/32 Attention 51783 53773 36989 ... 94772 81545 94631 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	8-1	0715	20167	Wed	750/34 Attention 07200 55749 09646 ... 63429 30702 48581 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-1	0900	15915	Wed	530/34 Attention 13762 26460 76379 ... 24766 23001 05092 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-1	0745	13908	Thu	223/32 Attention 51783 53773 36989 ... 94772 81545 94631 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-1	1300	4909	Thu	312/38 Attention 95929 99611 91457 ... 73289 23867 54790 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	11-1	1645	4909	Sat	368/35 Attention 21396 28404 27893 ... 66645 35449 85969 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-1	1645	4909	Sun	368/35 Attention 21396 28404 27893 ... 66645 35449 85969 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-1	1745	12924	Sun	249/40 Attention 59650 49046 38763 ... 63625 88668 34746 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	13-1	0745	10213	Mon	264/34 Attention 26507 20398 44370 ... 30514 76255 28847 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	0645	7840	Tue	519/33 Attention 51744 60485 82892 ... 89600 49492 36306 Attention (msg rptd) Out	USB	(AB/PY/Subilo)
E11a	14-1	0715	14975	Tue	630/33 Attention 55397 87242 66002 ... 48538 66909 31369 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1000	9079	Tue	308/28 Attention 17564 79809 27390 ... 38013 55904 90313 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1205	11559	Tue	469/39 Attention 10303 44161 32455 ... 19830 56447 64359 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1430	13363	Tue	918/38 Attention 22330 77801 64583 ... 70661 16454 81894 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	15-1	0745	17378	Wed	343/32 Attention 22082 01618 73033 ... 53558 22510 52997 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-1	1205	11559	Wed	469/39 Attention 10303 44161 32455 ... 19830 56447 64359 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	16-1	0645	7840	Thu	519/33 Attention 51744 60485 82892 ... 89600 49492 36306 Attention (msg rptd) Out	USB	(AB/PY/Subilo)
E11a	16-1	0820	11104	Thu	Test tones. No transmission	USB	(AB)
E11a	16-1	1530	5409	Thu	264/34 Attention 26507 20398 44370 ... 30514 76255 28847 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	16-1	2000	5082	Thu	528/36 Attention 20758 55231 85660 ... 75601 22484 46675 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-1	0715	14975	Fri	630/33 Attention 55397 87242 66002 ... 48538 66909 31369 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-1	0745	17378	Fri	343/32 Attention 22082 01618 73033 ... 53558 22510 52997 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-1	1000	9079	Fri	308/28 Attention 17564 79809 27390 ... 38013 55904 90313 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-1	1430	13363	Sat	918/38 Attention 22330 77801 64583 ... 70661 16454 81894 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-1	1605	5432	Sun	232/38 Attention 60374 75747 30289 ... 50524 04096 14570 Attention (msg rptd) Out	USB	(AB/Subilo)

E11a	19-1	2000	5082	Sun	528/36 Attention 20758 55231 85660 ... 75601 22484 46675 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	20-1	0830	23353	Mon	182/35 Attention 74446 68490 64447 ... 59553 43454 08788 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	20-1	0845	12067	Mon	713/31 Attention 29597 58716 89847 ... 22548 59499 38141 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	20-1	1045	14410	Mon	691/38 Attention 57369 70527 34809 ... 95046 40361 88946 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-1	0700	6804	Tue	577/33 Attention 42267 22269 47717 ... 32069 03889 87999 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-1	0820	14611	Tue	130/35 Attention 13390 99644 30252 ... 91771 11218 36250 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-1	0820	14611	Tue	130/35 Attention 13390 99644 30252 ... 91771 11218 36250 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-1	0845	17378	Tue	151/32 Attention 77741 54475 25130 ... 82639 24027 54967 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	22-1	0745	17378	Wed	Test tone. No transmission	USB	(AB-POL)
E11a	22-1	0845	12067	Wed	713/31 Attention 29597 58716 89847 ... 22548 59499 38141 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	22-1	0930	7469	Wed	271/31 Attention 44592 70891 48343 ... 99154 77278 85264 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-1	1045	14410	Wed	691/38 Attention 57369 70527 34809 ... 95046 40361 88946 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-1	1715	5082	Wed	976/35 Attention 65473 50876 17044 ... 41582 85273 50143 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-1	0845	17378	Thu	151/32 Attention 77741 54475 25130 ... 82639 24027 54967 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-1	0930	7469	Thu	271/31 Attention 44592 70891 48343 ... 99154 77278 85264 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-1	0700	6804	Fri	577/33 Attention 42267 22269 47717 ... 32069 03889 87999 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-1	0830	23353	Fri	182/35 Attention 74446 68490 64447 ... 59553 43454 08788 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-1	1715	5082	Fri	976/35 Attention 65473 50876 17044 ... 41582 85273 50143 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-1	1815	6849	Fri	924/39 Attention 86487 87629 20556 ... 64330 11915 63571 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-1	0700	5371	Sat	492/34 Attention 28717 11583 34543 ... 82596 56363 93788 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-1	0700	5371	Sun	492/34 Attention 28717 11583 34543 ... 82596 56363 93788 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-1	1815	6849	Sun	924/39 Attention 86487 87629 20556 ... 64330 11915 63571 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-1	0600	23004	Mon	941/37 Attention 73296 12927 56347 ... 09334 78137 39433 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-1	1900	6849	Mon	644/31 Attention 18191 52638 34617 ... 25550 54528 61783 Attention (msg rptd) out	USB	(AB/Subilo)
E11a	30-1	1900	6849	Thu	644/31 Attention 18191 52638 34617 ... 25550 54528 61783 Attention (msg rptd) out	USB	(AB/Subilo)
EGY	9-1	1553	20035	Thu	Unid embassy clg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	9-1	1602	20055	Thu	Unid embassy clg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	14-1	1128	20056.7	Tue	MFA Cairo wkg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	14-1	1245	20056.7	Tue	MFA Cairo clg KKXZ: Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	14-1	1321	20055	Tue	66601: Egyptian embassy Washington connecting to 99903: MFA Cairo	CODAN	(AB)
EGY	14-1	1321	20056.7	Tue	Egyptian embassy Washington clg SSTE: MFA Cairo	SITOR-A 100/170	(AB)
EGY	14-1	1322	20055	Tue	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	27-1	1603	17426.7	Mon	MFA Cairo clg QQTQ: Egyptian embassy Belgrade	SITOR-A 100/170	(AB)
EGY	27-1	1605	20036.7	Mon	MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou	SITOR-A 100/170	(AB)
EGY	27-1	1614	20035	Mon	99902: MFA Cairo wkg 33316: Egyptian embassy Ouagadougou	CODAN	(AB)
EGY	28-1	1509	17426.7	Tue	MFA Cairo clg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	29-1	0913	19101.7	Wed	Egyptian diplo	SITOR-A 100/170	(AB)
EGY	29-1	0914	19100	Wed	Egyprian diplo	CODAN	(AB)
EGY	29-1	1140	20056.7	Wed	MFA Cairo clg OOVC: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
F01	1-1	1015	11079	Wed	Message 31	FSK 200/500	(AB)
F01	1-1	1025	9162	Wed	Message 31	FSK 200/500	(AB)
F01	1-1	1035	7509	Wed	Message 31	FSK 200/500	(AB)

F01	2-1	1015	11079	Thu	Messages 32 and 33	FSK 200/500	(AB)
F01	2-1	1025	9162	Thu	Messages 32 and 33	FSK 200/500	(AB)
F01	2-1	1035	7509	Thu	Messages 32 and 33	FSK 200/500	(AB)
F01	3-1	1015	11079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-1	1025	9162	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-1	1035	7509	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	6-1	1015	11079	Mon	Message 34. Wrong shift	FSK 200/1000	(AB)
F01	6-1	1025	9162	Mon	Message 34. Wrong shift	FSK 200/1000	(AB-S)
F01	6-1	1035	7509	Mon	Message 34. Wrong shift	FSK 200/1000	(AB-S)
F01	7-1	1015	11079	Tue	Messages 35 and 36	FSK 200/500	(AB/HFD-POL)
F01	7-1	1025	9162	Tue	Messages 35 and 36	FSK 200/500	(AB/HFD-POL)
F01	7-1	1035	7509	Tue	Messages 35 and 36	FSK 200/500	(AB/HFD-POL)
F01	8-1	1015	11079	Wed	Message 37	FSK 200/500	(AB-RUS)
F01	8-1	1025	9162	Wed	Message 37	FSK 200/500	(AB)
F01	8-1	1035	7509	Wed	Message 37	FSK 200/500	(AB)
F01	9-1	0230	13370	Thu	Idle carrier. No message	Carrier	(PY)
F01	9-1	0250	10614	Thu	Idle carrier. No message	Carrier	(PY)
F01	9-1	1015	11079	Thu	Messages 38 and 39	FSK 200/500	(AB)
F01	9-1	1025	9162	Thu	Messages 38 and 39	FSK 200/500	(AB)
F01	9-1	1035	7509	Thu	Messages 38 and 39	FSK 200/500	(AB)
F01	10-1	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	10-1	1015	11079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-1	1025	9162	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-1	1035	7509	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-1	0230	13370	Mon	Message 43	FSK 200/500	(PY)
F01	13-1	0240	11538	Mon	Message 43	FSK 200/500	(PY)
F01	13-1	0250	10614	Mon	Message 43	FSK 200/500	(PY)
F01	13-1	1015	11079	Mon	Message 40	FSK 200/500	(AB)
F01	13-1	1025	9162	Mon	Message 40	FSK 200/500	(AB-S)
F01	13-1	1035	7509	Mon	Message 40	FSK 200/500	(AB-S)
F01	14-1	0230	13370	Tue	Message 43	FSK 200/500	(PY)
F01	14-1	0240	11538	Tue	Message 43	FSK 200/500	(PY)
F01	14-1	0250	10614	Tue	Message 43	FSK 200/500	(PY)
F01	14-1	1015	11079	Tue	Messages 41 and 42	FSK 200/500	(AB)
F01	14-1	1025	9162	Tue	Messages 41 and 42	FSK 200/500	(AB)
F01	14-1	1035	7509	Tue	Messages 41 and 42	FSK 200/500	(AB)
F01	15-1	0230	13370	Wed	Message 44	FSK 200/500	(PY)
F01	15-1	0240	11538	Wed	Message 44	FSK 200/500	(PY)
F01	15-1	0250	10614	Wed	Message 44	FSK 200/500	(PY)
F01	15-1	1015	11079	Wed	Message 43	FSK 200/500	(AB)
F01	15-1	1025	9162	Wed	Message 43	FSK 200/500	(AB)
F01	15-1	1035	7509	Wed	Message 43	FSK 200/500	(AB)

F01	16-1	0230	13370	Thu	Message 44	FSK 200/500	(PY)
F01	16-1	0240	11538	Thu	Message 44	FSK 200/500	(PY)
F01	16-1	0250	10614	Thu	Message 44	FSK 200/500	(PY)
F01	16-1	1015	11079	Thu	Messages 44 and 45	FSK 200/500	(AB)
F01	16-1	1025	9162	Thu	Messages 44 and 45	FSK 200/500	(AB)
F01	16-1	1035	7509	Thu	Messages 44 and 45	FSK 200/500	(AB)
F01	17-1	0230	13370	Fri	00000 +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	17-1	0240	11538	Fri	00000 +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	17-1	0250	10614	Fri	00000 +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	17-1	1015	11079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-1	1025	9162	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-1	1035	7509	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-1	0230	13370	Mon	Messages 45 and 46	FSK 200/500	(PY)
F01	20-1	0240	11538	Mon	Messages 45 and 46	FSK 200/500	(PY)
F01	20-1	0250	10614	Mon	no F01, TX issues	FSK 200/500	(PY)
F01	20-1	1015	11079	Mon	Message 46	FSK 200/500	(AB)
F01	20-1	1025	9162	Mon	Message 46	FSK 200/500	(AB-S)
F01	20-1	1035	7509	Mon	Message 46	FSK 200/500	(AB-S)
F01	21-1	0230	13370	Tue	Messages 45 and 46	FSK 200/500	(PY)
F01	21-1	0240	11538	Tue	Messages 45 and 46	FSK 200/500	(PY)
F01	21-1	0250	10614	Tue	Messages 45 and 46	FSK 200/500	(PY)
F01	21-1	1015	11079	Tue	Messages 47 and 48	FSK 200/500	(AB)
F01	21-1	1025	9162	Tue	Messages 47 and 48	FSK 200/500	(AB)
F01	21-1	1035	7509	Tue	Messages 47 and 48	FSK 200/500	(AB)
F01	22-1	0230	13370	Wed	Messages 47 and 48	FSK 200/500	(PY)
F01	22-1	0240	11538	Wed	Messages 47 and 48	FSK 200/500	(PY)
F01	22-1	0250	10614	Wed	Messages 47 and 48	FSK 200/500	(PY)
F01	22-1	1015	11079	Wed	No transmission	FSK 200/500	(AB)
F01	22-1	1025	9162	Wed	No transmission	FSK 200/500	(AB)
F01	22-1	1035	7509	Wed	No transmission	FSK 200/500	(AB)
F01	23-1	0230	13370	Thu	Messages 47 and 48	FSK 200/500	(PY)
F01	23-1	0240	11538	Thu	Messages 47 and 48	FSK 200/500	(PY)
F01	23-1	0250	10614	Thu	Messages 47 and 48	FSK 200/500	(PY)
F01	23-1	1015	11079	Thu	No transmission	FSK 200/500	(AB)
F01	23-1	1025	9162	Thu	No transmission	FSK 200/500	(AB)
F01	23-1	1035	7509	Thu	No transmission	FSK 200/500	(AB)
F01	24-1	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	24-1	1015	11079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-1	1025	9162	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-1	1035	7509	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	27-1	0230	13370	Mon	Message 49	FSK 200/500	(PY)
F01	27-1	0240	11538	Mon	Message 49	FSK 200/500	(PY)

F01	27-1	0250	10614	Mon	no F01, TX issues	FSK 200/500	(PY)
F01	27-1	1015	11079	Mon	Message 49	FSK 200/500	(AB-RUS)
F01	27-1	1025	9162	Mon	Message 49	FSK 200/500	(AB-S)
F01	27-1	1035	7509	Mon	Message 49	FSK 200/500	(AB-S)
F01	28-1	0230	13370	Tue	Message 49	FSK 200/500	(PY)
F01	28-1	0240	11538	Tue	Message 49	FSK 200/500	(PY)
F01	28-1	0250	10614	Tue	Message 49	FSK 200/500	(PY)
F01	28-1	0900	5089	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	28-1	0910	7337	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	28-1	0920	9481	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	28-1	1015	11079	Tue	Messages 50 and 51	FSK 200/500	(AB)
F01	28-1	1025	9162	Tue	Messages 50 and 51	FSK 200/500	(AB)
F01	28-1	1035	7509	Tue	Messages 50 and 51	FSK 200/500	(AB)
F01	29-1	0230	13370	Wed	+++++ +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	29-1	0240	11538	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	29-1	0250	10614	Wed	+++++ +++++ +++++ (out after a minute)	FSK 200/500	(PY)
F01	29-1	1015	11079	Wed	Message 52	FSK 200/500	(AB-RUS)
F01	29-1	1025	9162	Wed	Message 52	FSK 200/500	(AB-S)
F01	29-1	1035	7509	Wed	Message 52	FSK 200/500	(AB-S)
F01	30-1	0230	13370	Thu	Message 50	FSK 200/500	(PY)
F01	30-1	0240	11538	Thu	Message 50	FSK 200/500	(PY)
F01	30-1	0250	10614	Thu	Message 50	FSK 200/500	(PY)
F01	30-1	1015	11079	Thu	Messages 53 and 54	FSK 200/500	(AB)
F01	30-1	1025	9162	Thu	Messages 53 and 54	FSK 200/500	(AB)
F01	30-1	1035	7509	Thu	Messages 53 and 54	FSK 200/500	(AB)
F01	31-1	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	31-1	1015	11079	Fri	00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	31-1	1025	9162	Fri	00000 +++++ +++++	FSK 200/500	(AB-S)
F01	31-1	1035	7509	Fri	00000 +++++ +++++	FSK 200/500	(AB-S)
F02	17-1	0720	18277	Fri	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	21-1	0800	14983	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F03j	1-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-1	0430	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	2-1	0435	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	2-1	0615	1289	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	2-1	0620	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	2-1	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-1	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	3-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-1	0615	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	7-1	0620	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	7-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	0615	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	0620	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-1	0615	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	9-1	0620	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	9-1	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-1	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	0615	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	0620	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-1	0615	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	14-1	0620	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	14-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	0615	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	0620	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-1	0615	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	16-1	0620	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	16-1	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-1	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	0615	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	0620	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-1	0615	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)

F03j	21-1	0620	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	21-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	1010	12089	Wed	Test tone. No transmission	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	1015	12089	Wed	Test tone. No transmission	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-1	0615	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	23-1	0620	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	23-1	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-1	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	0615	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	0620	18782	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-1	0615	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	28-1	0620	12089	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	28-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-1	0615	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-1	0620	18782	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-1	0615	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	30-1	0620	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	30-1	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-1	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	1-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	1-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	2-1	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	2-1	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	2-1	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	2-1	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0800	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0805	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03l	3-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	3-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0800	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0805	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	9-1	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0800	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0805	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0850	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0855	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	10-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14-1	0810	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14-1	0815	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03l	14-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	15-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	15-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	16-1	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	16-1	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	16-1	0800	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	16-1	0805	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0800	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0805	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0850	15905	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0855	15905	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0930	6304	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0935	6304	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0945	6480	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	17-1	0950	6480	Fri	Test tone. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	20-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0810	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0815	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	21-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	22-1	0630	13424	Wed	Test tones. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	22-1	0635	13424	Wed	Test tones. No transmission	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0800	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0805	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	23-1	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0800	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0805	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03l	24-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0850	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0855	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	24-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	27-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0825	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0830	15905	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	28-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	29-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	29-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0800	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0805	11531	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	30-1	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0800	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0805	11531	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0850	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0855	15905	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	31-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	2-1	0700	10294	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)
F06	2-1	0710	8068	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)
F06	2-1	0720	6769	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)

F06	2-1	1200	10158	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)
F06	2-1	1210	8023	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)
F06	2-1	1220	6796	Thu	11166 70202 56412 02023 02139 and 11166 70202 63247 02024 01199	FSK 200/1000	(AB)
F06	2-1	1330	14471	Thu	11166 80214 23459 02031 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	2-1	1340	12218	Thu	11166 80214 23459 02031 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Rycat)
F06	2-1	1350	9933	Thu	11166 80214 23459 02031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-1	0700	10294	Fri	11166 70202 79462 03005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-1	0710	8068	Fri	11166 70202 79462 03005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-1	0720	6769	Fri	11166 70202 79462 03005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-1	1700	9064	Sat	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	4-1	1710	6787	Sat	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	4-1	1720	5452	Sat	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	5-1	0700	6791	Sun	Message	FSK 200/1000	(FD)
F06	5-1	0715	9067	Sun	Message	FSK 200/1000	(FD)
F06	5-1	0730	11122	Sun	Message	FSK 200/1000	(FD)
F06	5-1	0830	11122	Sun	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	5-1	0840	9425	Sun	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	5-1	0850	6787	Sun	11100 00000 17648 04003 02919	FSK 200/1000	(AB/PY)
F06	5-1	1530	11525	Sun	11166 10053 32147 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-1	1540	10437	Sun	11166 10053 32147 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-1	1550	8137	Sun	11166 10053 32147 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-1	0500	6925	Mon	11166 70059 32147 06001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	6-1	0700	6791	Mon	Message	FSK 200/1000	(FD)
F06	6-1	0715	9067	Mon	Message	FSK 200/1000	(FD)
F06	6-1	0730	11122	Mon	Message	FSK 200/1000	(FD)
F06	7-1	0030	10177	Tue	11166 60070 74523 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-1	0040	9331	Tue	11166 60070 74523 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-1	0050	7959	Tue	11166 60070 74523 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-1	0700	10294	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)
F06	7-1	0700	6791	Tue	11166 00000 12457 07000 00039 12345 12345 00000 (6-min. transmission)	FSK 200/1000	(PY)
F06	7-1	0710	8068	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)
F06	7-1	0715	9067	Tue	11166 00000 12457 07000 00039 12345 12345 00000 (6-min. transmission)	FSK 200/1000	(PY)
F06	7-1	0720	6769	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)
F06	7-1	0730	11122	Tue	11166 00000 12457 07000 00039 12345 12345 00000 (6-min. transmission)	FSK 200/1000	(PY)
F06	7-1	0800	10175	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(AB/PY)
F06	7-1	0800	10175	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(PY)
F06	7-1	0810	8153	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(AB)
F06	7-1	0810	8153	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(PY)
F06	7-1	0820	6807	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(AB)
F06	7-1	0820	6807	Tue	11100 00000 34169 06070 00939	FSK 200/1000	(PY)
F06	7-1	1200	10158	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)
F06	7-1	1210	8023	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)

F06	7-1	1220	6796	Tue	11166 70202 91254 07026 01479 and 11166 70202 95147 07027 01779	FSK 200/1000	(AB)
F06	7-1	1650	10651	Tue	11166 10053 12457 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-1	1700	8189	Tue	11166 10053 12457 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-1	1710	7457	Tue	11166 10053 12457 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-1	0700	6791	Wed	Message	FSK 200/1000	(FD)
F06	8-1	0715	9067	Wed	Message	FSK 200/1000	(FD)
F06	8-1	0730	11122	Wed	Message	FSK 200/1000	(FD)
F06	9-1	0105	17532	Thu	11100 09501 00000 09035 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	9-1	0110	16351	Thu	11100 09501 00000 09035 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	9-1	0120	14428	Thu	11100 09501 00000 09035 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	9-1	0700	10294	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	0710	8068	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	0720	6769	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	1200	10158	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	1210	8023	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	1220	6796	Thu	11166 70202 31047 09029 02019 and 11166 70202 52369 09030 01139	FSK 200/1000	(AB)
F06	9-1	1330	14471	Thu	11166 80214 25861 09005 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-1	1340	12218	Thu	11166 80214 25861 09005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	1350	9933	Thu	11166 80214 25861 09005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	0100	17532	Fri	11100 09501 00000 10036 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-1	0700	10294	Fri	11166 70202 87562 09067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	0710	8068	Fri	11166 70202 87562 09067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	0720	6769	Fri	11166 70202 87562 09067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-1	1700	9064	Sat	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	11-1	1710	6787	Sat	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	11-1	1720	5452	Sat	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	12-1	0830	11122	Sun	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	12-1	0840	9425	Sun	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	12-1	0850	6787	Sun	11100 00000 96417 10004 02039	FSK 200/1000	(AB/PY)
F06	12-1	1530	11525	Sun	11166 10053 95123 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-1	1540	10437	Sun	11166 10053 95123 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-1	1550	8137	Sun	11166 10053 95123 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-1	0100	17532	Mon	11100 09501 00000 13009 03409	FSK 200/1000	(PY)
F06	13-1	0800	10175	Mon	11100 00000 13254 10071 05579	FSK 200/1000	(AB/PY)
F06	13-1	0810	8153	Mon	11100 00000 13254 10071 05579	FSK 200/1000	(AB)
F06	13-1	0820	6807	Mon	11100 00000 13254 10071 05579	FSK 200/1000	(AB)
F06	14-1	0030	10177	Tue	11166 60070 15962 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	14-1	0040	9331	Tue	11166 60070 15962 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	14-1	0050	7959	Tue	11166 60070 15962 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-1	0100	17532	Tue	11100 09501 00000 13009 03409	FSK 200/1000	(PY)
F06	14-1	0700	10294	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)
F06	14-1	0710	8068	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)

F06	14-1	0720	6769	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)
F06	14-1	0800	10175	Tue	11100 00000 13254 10071 05579	FSK 200/1000	(AB/PY)
F06	14-1	0810	8153	Tue	11100 00000 13254 10071 05579	FSK 200/1000	(AB)
F06	14-1	0820	6807	Tue	11100 00000 13254 10071 05579	FSK 200/1000	(AB)
F06	14-1	1200	10158	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)
F06	14-1	1210	8023	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)
F06	14-1	1220	6796	Tue	11166 70202 39518 13032 01939 and 11166 70202 82154 13033 02039	FSK 200/1000	(AB)
F06	14-1	1650	10651	Tue	11166 10053 14723 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	14-1	1700	8189	Tue	11166 10053 14723 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-1	1710	7457	Tue	11166 10053 14723 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-1	1330	14471	Thu	11166 80214 21579 16045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	16-1	1340	12218	Thu	11166 80214 21579 16045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-1	1350	9933	Thu	11166 80214 21579 16045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-1	0100	17532	Fri	11100 09501 00000 17527 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	17-1	0700	10294	Fri	11166 70202 89562 16022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-1	0710	8068	Fri	11166 70202 89562 16022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-1	0720	6769	Fri	11166 70202 89562 16022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	1700	9064	Sat	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	18-1	1710	6787	Sat	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	18-1	1720	5452	Sat	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	19-1	0830	11122	Sun	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	19-1	0840	9425	Sun	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	19-1	0850	6787	Sun	11100 00000 02581 18005 01539	FSK 200/1000	(AB/PY)
F06	19-1	1530	11525	Sun	11166 10053 25813 19078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	19-1	1540	10437	Sun	11166 10053 25813 19078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-1	1550	8137	Sun	11166 10053 25813 19078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-1	0100	17532	Mon	11100 09501 00000 20010 01979 and 11100 09501 00000 20011 02339	FSK 200/1000	(PY)
F06	20-1	0500	6925	Mon	11166 70059 34962 20021 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	20-1	0800	10175	Mon	11100 00000 85269 17072 02139	FSK 200/1000	(AB/PY)
F06	20-1	0810	8153	Mon	11100 00000 85269 17072 02139	FSK 200/1000	(AB)
F06	20-1	0820	6807	Mon	11100 00000 85269 17072 02139	FSK 200/1000	(AB-FIN)
F06	21-1	0030	10177	Tue	11166 60070 15948 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	21-1	0040	9331	Tue	11166 60070 15948 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-1	0050	7959	Tue	11166 60070 15948 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-1	0100	17532	Tue	11100 09501 00000 20010 01979 and 11100 09501 00000 20011 02339	FSK 200/1000	(PY)
F06	21-1	0700	10294	Tue	11166 70202 51039 20036 01019 and 11166 70202 63942 20037 02079	FSK 200/1000	(AB)
F06	21-1	0710	8068	Tue	11166 70202 51039 20036 01019 and 11166 70202 63942 20037 02079	FSK 200/1000	(AB)
F06	21-1	0720	6769	Tue	11166 70202 51039 20036 01019 and 11166 70202 63942 20037 02079	FSK 200/1000	(AB)
F06	21-1	0800	10175	Tue	11100 00000 85269 17072 02139	FSK 200/1000	(AB/PY)
F06	21-1	0810	8153	Tue	11100 00000 85269 17072 02139	FSK 200/1000	(AB)
F06	21-1	0820	6807	Tue	11100 00000 85269 17072 02139	FSK 200/1000	(AB-FIN)
F06	21-1	1200	10158	Tue	No transmission	FSK 200/1000	(AB)

F06	21-1	1210	8023	Tue	No transmission	FSK 200/1000	(AB)
F06	21-1	1220	6796	Tue	No transmission	FSK 200/1000	(AB)
F06	21-1	1650	10651	Tue	11166 10053 09345 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-1	1700	8189	Tue	11166 10053 09345 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Rycat)
F06	21-1	1710	7457	Tue	11166 10053 09345 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-1	0700	10294	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	0710	8068	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	0720	6769	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	1200	10158	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	1210	8023	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	1220	6796	Thu	11166 70202 85324 22039 01079 and 11166 70202 32547 22040 02499	FSK 200/1000	(AB)
F06	23-1	1330	14471	Thu	11166 80214 65241 23085 00049 00000 00000 00000 00000	FSK 200/1000	(AB/EW/PY)
F06	23-1	1340	12218	Thu	11166 80214 65241 23085 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	1350	9933	Thu	11166 80214 65241 23085 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	0100	17532	Fri	11100 09501 00000 24012 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-1	0700	10294	Fri	11166 70202 30147 24012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	0710	8068	Fri	11166 70202 30147 24012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	0720	6769	Fri	11166 70202 30147 24012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-1	1700	9064	Sat	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	25-1	1710	6787	Sat	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	25-1	1720	5452	Sat	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	26-1	0830	11122	Sun	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	26-1	0840	9425	Sun	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	26-1	0850	6787	Sun	11100 00000 76389 24006 01759	FSK 200/1000	(AB/PY)
F06	26-1	1530	11525	Sun	11166 10053 32147 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-1	1540	10437	Sun	11166 10053 32147 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-1	1550	8137	Sun	11166 10053 32147 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-1	0100	17532	Mon	11100 09501 00000 27012 03339	FSK 200/1000	(PY)
F06	27-1	0800	10175	Mon	11100 00000 25047 24073 00919	FSK 200/1000	(AB/PY)
F06	27-1	0810	8153	Mon	11100 00000 25047 24073 00919	FSK 200/1000	(AB)
F06	27-1	0820	6807	Mon	11100 00000 25047 24073 00919	FSK 200/1000	(AB-FIN)
F06	28-1	0030	10177	Tue	11166 60070 89234 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-1	0040	9331	Tue	11166 60070 89234 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-1	0050	7959	Tue	11166 60070 89234 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-1	0100	17532	Tue	11100 09501 00000 27012 03339	FSK 200/1000	(PY)
F06	28-1	0700	10294	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)
F06	28-1	0710	8068	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)
F06	28-1	0720	6769	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)
F06	28-1	0800	10175	Tue	11100 00000 25047 24073 00919	FSK 200/1000	(AB/PY)
F06	28-1	0810	8153	Tue	11100 00000 25047 24073 00919	FSK 200/1000	(AB)
F06	28-1	0820	6807	Tue	11100 00000 25047 24073 00919	FSK 200/1000	(AB-FIN)
F06	28-1	1200	10158	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)

F06	28-1	1210	8023	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)
F06	28-1	1220	6796	Tue	11166 70202 41029 27042 00519 and 11166 70202 73842 27043 03159	FSK 200/1000	(AB)
F06	28-1	1650	10651	Tue	11166 10053 25813 28078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-1	1700	8189	Tue	11166 10053 25813 28078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-1	1710	7457	Tue	11166 10053 25813 28078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-1	0700	10294	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	0710	8068	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	0720	6769	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	1200	10158	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	1210	8023	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	1220	6796	Thu	11166 70202 70453 29045 03139 and 11166 70202 95146 29046 00579	FSK 200/1000	(AB)
F06	30-1	1330	14471	Thu	11166 80214 28759 30034 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-1	1340	12218	Thu	11166 80214 28759 30034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-1	1350	9933	Thu	11166 80214 28759 30034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-1	0100	17532	Fri	11100 09501 00000 31013 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	31-1	0700	10294	Fri	11166 70202 64782 30016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-1	0710	8068	Fri	11166 70202 64782 30016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-1	0720	6769	Fri	11166 70202 64782 30016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-1	0600	13569	Wed	File 44123 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-1	0615	14979	Wed	File 44123 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-1	0630	16351	Wed	File 44123 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-1	0700	10294	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	0715	8068	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	0730	6769	Wed	File 44422 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	1-1	1200	10158	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	1215	8023	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	1230	6796	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	2-1	0600	13569	Thu	File 44123 (binary contents)	FSK 200/1000	(AB-CYP/PY)
F06a	2-1	0615	14979	Thu	File 44123 (binary contents)	FSK 200/1000	(AB-CYP/PY)
F06a	2-1	0630	16351	Thu	File 44123 (binary contents)	FSK 200/1000	(AB-CYP/PY)
F06a	6-1	0700	10294	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	6-1	0715	8068	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	6-1	0730	6769	Mon	File 44425 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	6-1	1200	10158	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	6-1	1215	8023	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	6-1	1230	6796	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	0600	13569	Wed	File 34424 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	8-1	0615	14979	Wed	File 34424 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	8-1	0630	16351	Wed	File 34424 (binary contents)	FSK 200/1000	(AB-S)
F06a	8-1	0700	10294	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	0715	8068	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	0730	6769	Wed	File 44428 (binary contents)	FSK 200/1000	(AB-FIN)

F06a	8-1	1200	10158	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	1215	8023	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	1230	6796	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	9-1	0600	13569	Thu	File 34424 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	9-1	0615	14979	Thu	File 34424 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	9-1	0630	16351	Thu	File 34424 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	13-1	0700	10294	Mon	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	13-1	0715	8068	Mon	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	13-1	0730	6769	Mon	File 44431 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	13-1	1200	10158	Mon	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	13-1	1215	8023	Mon	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	13-1	1230	6796	Mon	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0100	17532	Wed	File 44443 (1536 bytes, binary contents) Header: 44400 09501 00000 15043 00009	FSK 200/1000	(PY)
F06a	15-1	0600	13569	Wed	File 45425 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	15-1	0615	14979	Wed	File 45425 (binary contents)	FSK 200/1000	(AB/PY)
F06a	15-1	0630	16351	Wed	File 45425 (binary contents)	FSK 200/1000	(AB/PY)
F06a	15-1	0700	10294	Wed	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0715	8068	Wed	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0730	6769	Wed	File 44434 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	15-1	1200	10158	Wed	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	1215	8023	Wed	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	1230	6796	Wed	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	16-1	0100	17532	Thu	File 44443 (1536 bytes, binary contents) Header: 44400 09501 00000 15043 00009	FSK 200/1000	(PY)
F06a	16-1	0600	13569	Thu	File 45425 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	16-1	0615	14979	Thu	File 45425 (binary contents)	FSK 200/1000	(AB/PY)
F06a	16-1	0630	16351	Thu	File 45425 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-1	0700	10294	Mon	File 44435 (binary contents)	FSK 200/1000	(AB)
F06a	20-1	0715	8068	Mon	File 44435 (binary contents)	FSK 200/1000	(AB)
F06a	20-1	0730	6769	Mon	File 44435 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	20-1	1200	10158	Mon	File 44435 (binary contents)	FSK 200/1000	(AB)
F06a	20-1	1215	8023	Mon	File 44435 (binary contents)	FSK 200/1000	(AB)
F06a	20-1	1230	6796	Mon	File 44435 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	0100	17532	Wed	fIle ZFD_044 (1536 bytes, binary contents) Header: 44444 09501 00000 22044 00009	FSK 200/1000	(PY)
F06a	22-1	0600	13569	Wed	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	22-1	0615	14979	Wed	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	22-1	0630	16351	Wed	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	22-1	0700	10294	Wed	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	0715	8068	Wed	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	0730	6769	Wed	File 44438 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	22-1	1200	10158	Wed	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	1215	8023	Wed	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	1230	6796	Wed	File 44438 (binary contents)	FSK 200/1000	(AB)

F06a	23-1	0100	17532	Thu	fIle ZFD_044 (1536 bytes, binary contents) Header: 44444 09501 00000 22044 00009	FSK 200/1000	(PY)
F06a	23-1	0600	13569	Thu	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	23-1	0615	14979	Thu	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	23-1	0630	16351	Thu	File 44726 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	27-1	0700	10294	Mon	File 44441 (binary contents)	FSK 200/1000	(AB)
F06a	27-1	0715	8068	Mon	File 44441 (binary contents)	FSK 200/1000	(AB)
F06a	27-1	0730	6769	Mon	File 44441 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	27-1	1200	10158	Mon	File 44441 (binary contents)	FSK 200/1000	(AB)
F06a	27-1	1215	8023	Mon	File 44441 (binary contents)	FSK 200/1000	(AB)
F06a	27-1	1230	6796	Mon	File 44441 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	0100	17532	Wed	File ZFD_045 (1536 bytes, binary contents) Header: 44444 09501 00000 29045 00009	FSK 200/1000	(PY)
F06a	29-1	0600	13569	Wed	File 40427 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	29-1	0615	14979	Wed	File 40427 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	29-1	0630	16351	Wed	File 40427 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	29-1	0700	10294	Wed	File 44444 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	0715	8068	Wed	File 44444 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	0730	6769	Wed	File 44444 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	29-1	1200	10158	Wed	File 44444 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	1215	8023	Wed	File 44444 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	1230	6796	Wed	File 44444 (binary contents)	FSK 200/1000	(AB)
F06a	30-1	0100	17532	Thu	File ZFD_045 (1536 bytes, binary contents) Header: 44444 09501 00000 29045 00009	FSK 200/1000	(PY)
F06a	30-1	0600	13569	Thu	File 40427 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	30-1	0615	14979	Thu	File 40427 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	30-1	0630	16351	Thu	File 40427 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	31-1	2000	6815	Fri	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(PY)
F06a	31-1	2015	5794	Fri	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(PY)
F06a	31-1	2030	4816	Fri	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(PY)
F07	2-1	2100	7461	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2110	6979	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2120	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2130	5841	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2140	5318	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2150	5081	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2100	7461	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2110	6979	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2120	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2130	5841	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2140	5318	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-1	2150	5081	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-1	2100	7461	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-1	2110	6979	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-1	2120	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	9-1	2130	5841	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-1	2140	5318	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-1	2150	5081	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2100	7461	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2110	6979	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2120	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2130	5841	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2140	5318	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-1	2150	5081	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2100	7461	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2110	6979	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2120	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2130	5841	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2140	5318	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-1	2150	5081	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2100	7461	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2110	6979	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2120	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2130	5841	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2140	5318	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-1	2150	5081	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2100	7461	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2110	6979	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2120	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2130	5841	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2140	5318	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-1	2150	5081	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-1	2100	7461	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	28-1	2110	6979	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-1	2120	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	28-1	2130	5841	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-1	2140	5318	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-1	2150	5081	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2100	7461	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2110	6979	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2120	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2130	5841	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2140	5318	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2150	5081	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	6-1	1222	13200	Mon	DPRK embassy Moscow msg 30276 to DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-1	1234	16252	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-1	1237	18650	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)

KRE	6-1	1300	16252	Mon	DPRK embassy Moscow wkg Permanet Mission Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-1	1300	18650	Mon	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-1	1332	13200	Mon	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-1	1332	14600	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-1	1232	16262	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-1	1235	13200	Mon	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-1	1301	16262	Mon	DPRK embassy Moscow wkg Permanent Mission Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-1	1335	13200	Mon	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	0650	16252	Tue	DPRK embassy Moscow. Message #34 to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	0700	13200	Tue	DPRK embassy Moscow. Message #34 to DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	1229	16252	Tue	DPRK embassy Moscow. Message #34 to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	1232	13200	Tue	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	1259	16252	Tue	DPRK embassy Moscow wkg Permanent Mission Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-1	1326	13200	Tue	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-1	0635	16252	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	15-1	0641	12500	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	15-1	0701	13200	Wed	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-1	0701	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-1	0734	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-1	0807	12500	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	15-1	0807	16252	Wed	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 1200/600 LSB	(AB)
KRE	15-1	0811	16252	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	16-1	0639	16252	Thu	DPRK embassy Moscow wkg Permanent Mission Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0648	16252	Thu	DPRK embassy Moscow clg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0649	16252	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0707	14300	Thu	DPRK embassy Mowcow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0736	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0804	11045	Thu	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	0804	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	1230	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	1305	16252	Thu	DPRK embassy Moscow wkg Permanent Mission Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-1	1331	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-1	0649	16252	Fri	DPRK embassy Moscow msg to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-1	0702	14300	Fri	DPRK embassy Moscow msg to DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-1	0730	14300	Fri	DPRK embassy Moscow msg to DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-1	0758	11045	Fri	DPRK embassy Moscow msg to DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-1	0805	15500	Fri	DPRK embassy Moscow msg to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	20-1	1225	16252	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-1	1229	16252	Fri	DPRK embassy Moscow wkg to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-1	1300	16252	Fri	DPRK embassy Moscow wkg to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-1	1333	15500	Fri	DPRK embassy Moscow wkg to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-1	0847	20820	Sat	MFA Pyongyang wkg unid embassy	DPRK-ARQ 600/600 LSB	(EW)

KRE	25-1	0856	20740	Sat	MFA Pyongyang wkg unid embassy	DPRK-ARQ 600/600 LSB	(EW)
KRE	28-1	0711	13200	Tue	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-1	0735	14200	Tue	DPRK embassy Moscow wkg DPRK embassy Prague	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-1	0735	14300	Tue	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-1	0746	16252	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-1	1231	16252	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	28-1	1306	16252	Tue	DPRK embassy Moscow wkg Permanent Mission to the UN Geneva	DPRK-ARQ 1200/600 LSB	(AB)
KRE	28-1	1306	18650	Tue	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	29-1	0633	16252	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	29-1	0700	13200	Wed	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	29-1	0700	14300	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	29-1	0732	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	29-1	0804	11045	Wed	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	29-1	1308	16252	Wed	DPRK embassy Moscow wkg DPRK Permamnent Mission to the UN, Geneve	DPRK-ARQ 1200/600 LSB	(AB)
KRE	29-1	1357	16252	Wed	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 1200/600 LSB	(AB)
KRE	30-1	0648	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	30-1	0703	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
M01	2-1	2000	4490	Thu	197 418 418 30 30 = = 83746 19283 84756 ... 93847 91827 38475 4718 418 30 30 000	CW	(AB)
M01	4-1	1500	5810	Sat	197 719 719 30 30 = = 45301 30931 13241 ... 13251 125139317 9317 = = 719 719 30 30 000	CW	(AB)
M01	5-1	0700	5465	Sun	197 162 162 30 30 = = 54639 40938 39847 ... 80631 20910 19584 = = 162 162 30 30 000	CW	(AB)
M01	7-1	1800	5320	Tue	197 ... (too weak to copy)	CW	(AB)
M01	7-1	2000	4490	Tue	197 808 808 30 30 80808 34299 10293 ... 83212 84732 86533 808 808 30 30 000	CW	(Anon)
M01	9-1	2000	4490	Thu	197 (unreadable)	CW	(AB)
M01	11-1	1500	5810	Sat	197 101 101 30 30 01478 52369 95431 ... 18732 03928 71934 101 101 30 30 000	CW	(AB)
M01	12-1	0700	5465	Sun	197 707 707 30 30 = = 30943 10909 43533 ... 19334 67540 31967 = = 707 707 30 30 000	CW	(AB)
M01	14-1	1800	5320	Tue	197 355 355 30 30 = = 82736 74658 82730 ... 48592 83702 73548 = = 355 355 30 30 000	CW	(AB)
M01	14-1	2000	4490	Tue	197 215 215 30 30 = = 82736 47829 38476 ... 48028 38293 10290 = = 215 215 30 30 000	CW	(AB)
M01	16-1	1800	5320	Thu	197 340 340 30 30 = = 34657 12341 56743 ... 36754 36754 98873 = = 340 340 30 30 000	CW	(AB)
M01	16-1	2000	4490	Thu	197 ... (unreadable)	CW	(AB)
M01	18-1	1500	5810	Sat	197 859 859 30 30 = = 82749 82736 19264 ... 72648 91820 93847 = = 859 859 30 30 000	CW	(AB)
M01	21-1	1800	5320	Tue	197 476 476 30 30 = = 67895 17263 47381 ... 39281 57463 18572 = = 476 476 30 30 000	CW	(AB)
M01	23-1	1800	5320	Thu	197 134 134 30 30 = = 87461 48901 47261 ...	CW	(AB)
M01	23-1	2000	4490	Thu	197 897 897 30 30 = = 58472 19853 28173 ... 38927 58731 48712 = = 897 897 30 30 000	CW	(AB)

M01	25-1	1500	5810	Sat	197 192 192 30 30 = = 19234 58192 38194 ... 5749 57491 48392 49 = = 192 192 30 30 000	CW	(AB)
M01	28-1	1800	5320	Tue	197 456 456 30 30 49032 48392 10098 ... 67303 17439 84377 456 456 30 30 000	CW	(AB)
M01	30-1	1800	5320	Thu	197 832 832 30 30 = = 47536 12036 32541 ... 12093 56721 56334 = = 832 832 30 30 000	CW	(AB)
M01	30-1	2000	4490	Thu	197 312 312 30 30 = = 37645 64533 23935 ... 13954 65574 65344 = = 312 12 30 30000	CW	(AB)
M12	1-1	2000	6782	Wed	781 781 781 000	CW	(AB/HFD)
M12	1-1	2020	5882	Wed	781 781 781 000	CW	(AB/HFD)
M12	2-1	1600	11435	Thu	938 938 938 1 9070 82 9070 82 46845 74713 36473 ... 68723 11800 63401 000 000	CW	(AB)
M12	2-1	1620	10598	Thu	938 938 938 1 9070 82 9070 82 46845 74713 36473 ... 68723 11800 63401 000 000	CW	(AB)
M12	2-1	1640	9327	Thu	938 938 938 1 9070 82 9070 82 46845 74713 36473 ... 68723 11800 63401 000 000	CW	(AB)
M12	3-1	0010	16253	Fri	294 294 294 1 …	CW	(HFD-J)
M12	3-1	0030	15953	Fri	294 294 294 1 …	CW	(HFD-J)
M12	3-1	0050	13453	Fri	294 294 294 1 …	CW	(HFD-J)
M12	3-1	2000	6782	Fri	781 781 781 000	CW	(AB)
M12	3-1	2020	5882	Fri	781 781 781 000	CW	(AB)
M12	3-1	2200	5778	Fri	771 771 771 000	CW	(AB/HFD)
M12	3-1	2220	6778	Fri	771 771 771 000	CW	(AB/HFD)
M12	4-1	2200	5778	Sat	771 771 771 000	CW	(AB)
M12	4-1	2220	6778	Sat	771 771 771 000	CW	(AB)
M12	5-1	2310	11161	Sun	142 142 142 1 …	CW	(HFD)
M12	5-1	2320	10461	Sun	142 142 142 1 …	CW	(HFD)
M12	5-1	2350	9261	Sun	142 142 142 1 …	CW	(HFD)
M12	6-1	2300	11079	Mon	136 136 136 1 …	CW	(HFD)
M12	6-1	2320	10279	Mon	136 136 136 1 …	CW	(HFD)
M12	6-1	2340	9179	Mon	136 136 136 1 …	CW	(HFD)
M12	7-1	0300	14673	Tue	641 641 641 1 …	CW	(HFD-J)
M12	7-1	0320	13373	Tue	641 641 641 1 …	CW	(HFD-J)
M12	7-1	0340	12173	Tue	641 641 641 1 …	CW	(HFD-J)
M12	7-1	1100	11519	Tue	289 289 289 1 1181 63 1181 63 79591 17771 58732 ... 11986 47082 03652 000 000	CW	(AB)
M12	7-1	1120	12194	Tue	289 289 289 1 1181 63 1181 63 79591 17771 58732 ... 11986 47082 03652 000 000	CW	(AB)
M12	7-1	1140	13407	Tue	289 289 289 1 1181 63 1181 63 79591 17771 58732 ... 11986 47082 03652 000 000	CW	(AB)
M12	8-1	2000	6782	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	8-1	2020	5882	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	8-1	2040	5182	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	9-1	1800	11435	Thu	938 938 938 1 2729 76 2729 76 51803 30257 50338 ... 70316 28436 95845 000 000	CW	(AB)
M12	9-1	1820	10598	Thu	938 938 938 1 2729 76 2729 76 51803 30257 50338 ... 70316 28436 95845 000 000	CW	(AB)
M12	9-1	1840	9327	Thu	938 938 938 1 2729 76 2729 76 51803 30257 50338 ... 70316 28436 95845 000 000	CW	(AB)
M12	10-1	2000	6782	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	10-1	2020	5882	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	10-1	2040	5182	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	10-1	2200	5778	Fri	771 771 771 000	CW	(AB)

M12	10-1	2220	6778	Fri	771 771 771 000	CW	(AB)
M12	11-1	2200	5778	Sat	771 771 771 000	CW	(AB)
M12	11-1	2220	6778	Sat	771 771 771 000	CW	(AB)
M12	14-1	1100	11519	Tue	289 289 289 1 5920 60 5920 60 19328 77951 41902 ... 87724 19643 39267 000 000	CW	(AB)
M12	14-1	1120	12194	Tue	289 289 289 1 5920 60 5920 60 19328 77951 41902 ... 87724 19643 39267 000 000	CW	(AB)
M12	14-1	1140	13407	Tue	289 289 289 1 5920 60 5920 60 19328 77951 41902 ... 87724 19643 39267 000 000	CW	(AB)
M12	15-1	2000	6782	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	15-1	2020	5882	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	15-1	2040	5182	Wed	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	16-1	2300	11079	Thu	136 136 136 000	CW	(RL)
M12	16-1	2320	10279	Thu	136 136 136 000	CW	(RL)
M12	17-1	2000	6782	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	17-1	2020	5882	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	17-1	2040	5182	Fri	781 781 781 1 5102 90 5102 90 02217 31374 71141 ... 71789 64364 39734 000 000	CW	(AB)
M12	17-1	2200	5778	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	17-1	2220	6778	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	17-1	2240	8178	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB/RL)
M12	18-1	2200	5778	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	18-1	2220	6778	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	18-1	2240	8178	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	19-1	2310	11161	Sun	142 142 142 1 3279 281 3279 281 32531 79021 41518 ... 07874 25471 80888 000 000	CW	(RL)
M12	19-1	2330	10461	Sun	142 142 142 1 3279 281 3279 281 32531 79021 41518 ... 07874 25471 80888 000 000	CW	(RL)
M12	19-1	2350	11079	Sun	142 142 142 1 3279 281 3279 281 32531 79021 41518 ... 07874 25471 80888 000 000	CW	(RL)
M12	21-1	1100	11519	Tue	289 289 289 1 6701 61 6701 61 66661 50194 67795 ... 62773 41264 45604 05327 000 000	CW	(AB)
M12	21-1	1120	12194	Tue	289 289 289 1 6701 61 6701 61 66661 50194 67795 ... 62773 41264 45604 05327 000 000	CW	(AB)
M12	21-1	1140	13407	Tue	289 289 289 1 6701 61 6701 61 66661 50194 67795 ... 62773 41264 45604 05327 000 000	CW	(AB)
M12	22-1	2000	6782	Wed	781 781 781 000	CW	(AB)
M12	22-1	2020	5882	Wed	781 781 781 000	CW	(AB)
M12	23-1	1800	11435	Thu	938 938 938 1 8910 80 8910 80 31823 08161 18052 ... 53813 94430 32757 000 000	CW	(AB)
M12	23-1	1820	10598	Thu	938 938 938 1 8910 80 8910 80 31823 08161 18052 ... 53813 94430 32757 000 000	CW	(AB)
M12	23-1	1840	9327	Thu	938 938 938 1 8910 80 8910 80 31823 08161 18052 ... 53813 94430 32757 000 000	CW	(AB)
M12	23-1	2320	10279	Thu	136 136 136 1 2659 89 2659 89 09255 01794 12478 ... 41998 67850 38392 000 000	CW	(RL)
M12	23-1	2340	9179	Thu	136 136 136 1 2659 89 2659 89 09255 01794 12478 ... 41998 67850 38392 000 000	CW	(RL)
M12	24-1	2000	6782	Fri	781 781 781 000	CW	(AB)
M12	24-1	2020	5882	Fri	781 781 781 000	CW	(AB)
M12	24-1	2200	5778	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	24-1	2220	6778	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	24-1	2240	8178	Fri	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB/RL)
M12	25-1	2200	5778	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)

M12	25-1	2220	6778	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	25-1	2240	8178	Sat	771 771 771 1 8269 156 8269 156 90856 88989 29797 ... 59740 65656 79697 000 000	CW	(AB)
M12	27-1	2300	11079	Mon	136 136 136 1 2659 89 2659 89 09255 01794 12478 ... 41998 67850 38392 000 000	CW	(RL)
M12	27-1	2320	10279	Mon	136 136 136 1 2659 89 2659 89 09255 01794 12478 ... 41998 67850 38392 000 000	CW	(RL)
M12	27-1	2340	9179	Mon	136 136 136 1 2659 89 2659 89 09255 01794 12478 ... 41998 67850 38392 000 000	CW	(RL)
M12	28-1	1100	11519	Tue	289 289 289 1 4808 55 4808 55 54011 46642 70146 ... 15987 30125 06994 000 000	CW	(AB)
M12	28-1	1120	12194	Tue	289 289 289 1 4808 55 4808 55 54011 46642 70146 ... 15987 30125 06994 000 000	CW	(AB)
M12	28-1	1140	13407	Tue	289 289 289 1 4808 55 4808 55 54011 46642 70146 ... 15987 30125 06994 000 000	CW	(AB)
M12	29-1	2000	6782	Wed	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	29-1	2020	5882	Wed	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	29-1	2040	5182	Wed	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	29-1	2310	11161	Wed	142 142 142 1 576 98 576 98 06885 07621 92427 ... 95155 36676 24914 000 000	CW	(RL)
M12	29-1	2330	10461	Wed	142 142 142 1 576 98 576 98 06885 07621 92427 ... 95155 36676 24914 000 000	CW	(RL)
M12	29-1	2350	9261	Wed	142 142 142 1 576 98 576 98 06885 07621 92427 ... 95155 36676 24914 000 000	CW	(RL)
M12	30-1	1800	11435	Thu	938 938 938 1 4521 80 4521 80 33729 92660 87943 ... 61719 23118 93147 000 000	CW	(AB)
M12	30-1	1820	10598	Thu	938 938 938 1 4521 80 4521 80 33729 92660 87943 ... 61719 23118 93147 000 000	CW	(AB)
M12	30-1	1840	9327	Thu	938 938 938 1 4521 80 4521 80 33729 92660 87943 ... 61719 23118 93147 000 000	CW	(AB)
M12	31-1	2000	6782	Fri	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	31-1	2020	5882	Fri	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	31-1	2040	5182	Fri	781 781 781 1 543 43 543 43 68802 77479 59992 ... 29569 53814 17532 000 000	CW	(AB)
M12	31-1	2200	5778	Fri	771 771 771 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	31-1	2220	6778	Fri	771 771 771 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	31-1	2240	8178	Fri	771 771 771 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M14	9-1	0500	12211	Thu	952 952 952 00000	CW	(Subilo)
M14	9-1	0520	10243	Thu	952 952 952 00000	CW	(Subilo)
M14	10-1	0500	12211	Fri	952 952 952 00000	CW	(Subilo)
M14	10-1	0520	10243	Fri	952 952 952 00000	CW	(Subilo)
M14	10-1	0930	17458	Fri	617 617 617 00000	CW	(AB/HFD)
M14	13-1	0500	12211	Mon	952 370 370 58 58 = = 43822 49534 81176 ... 01255 42180 78939 = = 370 370 58 58 00000	CW	(Subilo)
M14	13-1	0520	10243	Mon	952 370 370 58 58 = = 43822 49534 81176 ... 01255 42180 78939 = = 370 370 58 58 00000	CW	(Subilo)
M14	14-1	0500	12211	Tue	952 370 370 58 58 = = 43822 49534 81176 ... 01255 42180 78939 = = 370 370 58 58 00000	CW	(Subilo)
M14	14-1	0520	10243	Tue	952 370 370 58 58 = = 43822 49534 81176 ... 01255 42180 78939 = = 370 370 58 58 00000	CW	(Subilo)
M14	15-1	0500	12211	Wed	952 407 407 21 21 = = 41248 27762 95153 ... 22794 29688 76309 = = 407 407 21 21 52 952 681 681 32 32 = = 13115 29200 51552 ... 47828 19777 63531 = = 681 681 32 32 00000	CW	(Subilo)
M14	15-1	0520	10243	Wed	952 407 407 21 21 = = 41248 27762 95153 ... 22794 29688 76309 = = 407 407 21 21 52 952 681 681 32 32 = = 13115 29200 51552 ... 47828 19777 63531 = = 681 681 32 32 00000	CW	(Subilo)

M14	16-1	0500	12211	Thu	952 407 407 21 21 = = 41248 27762 95153 ... 22794 29688 76309 = = 407 407 21 21 52 952 681 681 32 32 = = 13115 29200 51552 ... 47828 19777 63531 = = 681 681 32 32 00000	CW	(Subilo)
M14	16-1	0520	10243	Thu	952 407 407 21 21 = = 41248 27762 95153 ... 22794 29688 76309 = = 407 407 21 21 52 952 681 681 32 32 = = 13115 29200 51552 ... 47828 19777 63531 = = 681 681 32 32 00000	CW	(Subilo)
M14	17-1	0500	12211	Fri	952 952 952 00000	CW	(Subilo)
M14	17-1	0520	10243	Fri	952 952 952 00000	CW	(Subilo)
M14	20-1	0500	12211	Mon	952 183 183 52 52 = = 21564 25101 97138 ... 16584 21970 44173 = = 183 183 52 52 00000	CW	(Subilo)
M14	20-1	0520	10243	Mon	952 183 183 52 52 = = 21564 25101 97138 ... 16584 21970 44173 = = 183 183 52 52 00000	CW	(Subilo)
M14	21-1	0500	12211	Tue	952 183 183 52 52 = = 21564 25101 97138 ... 16584 21970 44173 = = 183 183 52 52 00000	CW	(Subilo)
M14	21-1	0520	10243	Tue	952 183 183 52 52 = = 21564 25101 97138 ... 16584 21970 44173 = = 183 183 52 52 00000	CW	(Subilo)
M14	22-1	0500	12211	Wed	952 740 740 25 25 = = 76069 61995 56694 ... 23483 37562 17322 = = 740 740 25 25 952 816 816 32 32 29414 70274 55274 ... 51941 86817 93470 = = 816 816 32 32 00000	CW	(Subilo)
M14	22-1	0520	10243	Wed	952 740 740 25 25 = = 76069 61995 56694 ... 23483 37562 17322 = = 740 740 25 25 952 816 816 32 32 29414 70274 55274 ... 51941 86817 93470 = = 816 816 32 32 00000	CW	(Subilo)
M14	23-1	0500	12211	Thu	952 740 740 25 25 = = 76069 61995 56694 ... 23483 37562 17322 = = 740 740 25 25 952 816 816 32 32 29414 70274 55274 ... 51941 86817 93470 = = 816 816 32 32 00000	CW	(Subilo)
M14	23-1	0520	10243	Thu	952 740 740 25 25 = = 76069 61995 56694 ... 23483 37562 17322 = = 740 740 25 25 952 816 816 32 32 29414 70274 55274 ... 51941 86817 93470 = = 816 816 32 32 00000	CW	(Subilo)
M14	24-1	0500	12211	Fri	Unmodulated carrier until 0504 UTC. Nothing else	CW	(Subilo)
M14	24-1	0520	10243	Fri	No transmission	CW	(Subilo)
M14	25-1	0930	17458	Sat	617 617 617 00000	CW	(AB)
M14	27-1	0500	12211	Mon	952 473 473 56 56 = = 61281 17199 20529 ... 77192 52921 65440 = = 473 473 56 56 00000	CW	(Subilo)
M14	27-1	0520	10243	Mon	952 473 473 56 56 = = 61281 17199 20529 ... 77192 52921 65440 = = 473 473 56 56 00000	CW	(Subilo)
M14	28-1	0500	12211	Tue	952 473 473 56 56 = = 61281 17199 20529 ... 77192 52921 65440 = = 473 473 56 56 00000	CW	(Subilo)
M14	28-1	0520	10243	Tue	952 473 473 56 56 = = 61281 17199 20529 ... 77192 52921 65440 = = 473 473 56 56 00000	CW	(Subilo)
M14	29-1	0500	12211	Wed	952 618 618 25 25 = = 59638 34552 40266 ... 35054 59693 32322 = = 618 618 25 25 952 734 734 25 25 = = 80225 92743 69244 ... 73176 44766 35473 = = 734 734 25 25 00000	CW	(Subilo)

M14	29-1	0520	10243	Wed	952 618 618 25 25 = = 59638 34552 40266 ... 35054 59693 32322 = = 618 618 25 25 952 734 734 25 25 = = 80225 92743 69244 ... 73176 44766 35473 = = 734 734 25 25 00000	CW	(Subilo)
M14	30-1	0500	12211	Thu	952 618 618 25 25 = = 59638 34552 40266 ... 35054 59693 32322 = = 618 618 25 25 952 734 734 25 25 = = 80225 92743 69244 ... 73176 44766 35473 = = 734 734 25 25 00000	CW	(Subilo)
M14	30-1	0520	10243	Thu	952 618 618 25 25 = = 59638 34552 40266 ... 35054 59693 32322 = = 618 618 25 25 952 734 734 25 25 = = 80225 92743 69244 ... 73176 44766 35473 = = 734 734 25 25 00000	CW	(Subilo)
M14	31-1	0500	12211	Fri	952 952 952 00000	CW	(Subilo)
M14	31-1	0520	10243	Fri	952 952 952 00000	CW	(Subilo)
M42	2-1	1300	16156	Thu	UAL: MFA Moscow message to UAG: Russian embassy Havana. Header: 11100 70103 14785 02001 04009	FSK 75/500	(AB)
M42	9-1	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 13467 09006 04009	FSK 75/500	(AB)
M42	9-1	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 12489 09006 04003	FSK 75/500	(AB)
M42	10-1	0943	9288	Fri	Russian diplo	MFSK-66	(RO)
M42	13-1	0917	19275	Mon	Russian diplo	Serdolik v2	(RO)
M42	13-1	0919	14686	Mon	Russian diplo	Serdolik v2	(RO)
M42	14-1	1001	20811	Tue	Russian diplo	Serdolik v2	(RO)
M42	14-1	1003	20811	Tue	Russian diplo	Serdolik v2	(RO)
M42	14-1	1005	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	14-1	1017	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	14-1	1208	19480	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-1	1210	19478	Tue	Russian diplo	Serdolik v2	(AB)
M42	14-1	1213	19480	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-1	1215	18324	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-1	1216	18322	Tue	Russian diplo	Serdolik v2	(AB)
M42	15-1	1259	18753	Wed	Russian diplo	MFSK-66	(AB)
M42	16-1	0727	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	16-1	0730	21824	Thu	Russian diplo	Serdolik v2	(RO)
M42	16-1	0731	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	16-1	0733	21824	Thu	Russian diplo	Serdolik v2	(RO)
M42	16-1	0734	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	16-1	0734	16315	Thu	Russian diplo	Serdolik v2	(RO)
M42	16-1	0747	17519	Thu	Russian diplo.	Serdolik v2	(AB/RO)
M42	16-1	0758	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	16-1	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 15963 16011 04009	FSK CW + FSK 75/500	(AB)
M42	16-1	1303	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 80247 16011 04003	FSK CW + FSK 75/500	(AB-USA)

M42	17-1	0819	12164	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-1	0828	14826	Fri	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	17-1	0829	14828	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-1	0842	14828	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-1	1224	16313	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-1	1237	18230	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-1	1335	14698	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	17-1	1347	13393	Fri	Russian diplo	MFSK-66	(AB)
M42	21-1	0828	16169	Tue	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	21-1	0831	16169	Tue	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	21-1	0835	16169	Tue	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	21-1	0841	16169	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	21-1	0921	13401	Tue	Russian diplo	MFSK-66	(AB/RO)
M42	22-1	0821	10814	Wed	Russian diplo	MFSK-66	(RO)
M42	22-1	0858	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	22-1	0905	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	23-1	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 15948 23160 04009	FSK CW + FSK 75/500	(AB)
M42	23-1	1303	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow	FSK CW + FSK 100/500	(AB)
M42	24-1	0735	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	24-1	0738	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	24-1	0740	11158	Fri	Russian diplo	Serdolik v2	(AB)
M42	24-1	0751	11158	Fri	Russian diplo	Serdolik v2	(AB)
M42	24-1	0914	14501	Fri	Russian diplo	MFSK-66	(AB)
M42	27-1	0809	14844	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0815	14846	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	27-1	0816	17468	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	27-1	0818	14846	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	27-1	0819	17468	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	27-1	0823	17466	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0826	17466	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0827	14844	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0833	17466	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0834	14844	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	27-1	0836	18331	Mon	Russian diplo	Serdolik v2	(AB)
M42	27-1	0929	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	27-1	0930	19273	Mon	Russian diplo	Serdolik v2	(AB)
M42	28-1	1015	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	28-1	1020	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	30-1	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 82341 30021 04009	FSK CW + FSK 75/500	(AB)

M42	30-1	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 12457 30021 04003	FSK CW + FSK 100/500	(AB)
M42b	1-1	1535	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 002 100 01 1525 1357=	CW + FSK 50/500	(AB)
M42b	2-1	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 004 100 02 1525 1357=	CW + FSK 50/500	(AB)
M42b	3-1	1535	5469	Fri	AIFH AIFH AIFH DE CDAP CDAP K. Header: 006 100 03 1525 1357=	CW + FSK 50/500	(AB)
M42b	4-1	1535	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. QSA3 QSA? K. RPT K. CFM K	CW	(AB)
M42b	5-1	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 009 100 05 1525 1357=	CW + FSK 50/500	(AB)
M42b	6-1	1535	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. QSA3 QSA? K. RPT K. RPT K. OK DE QLO 20 K	CW + FSK 200/1000	(AB)
M42b	7-1	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. QSA2 QSA? K. 1. CDAP CDAP CDAP DE AIFH AIFH K	CW	(AB)
M42b	8-1	1535	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. QSA3 QSA? K. RPT K. OK DE QLO 10 K	CW	(AB)
M42b	9-1	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. QSA1 QSA? K. QSA1 QSY 94993 QSY 94993 K	CW	(AB)
M42b	10-1	1536	5469	Fri	CDAP CDAP CDAP DE AIFK AIFK K. OK DE QLO 10 SLD K	CW	(AB)
M42b	11-1	1536	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 021 100 11 1525 1357=	CW + FSK 50/500	(AB)
M42b	12-1	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. QSA3 QSA? K. CFM K	CW	(AB)
M42b	13-1	1535	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. QSA3 QSA? K. OK DE QLO 20 K	CW	(AB)
M42b	14-1	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 027 100 14 1525 1357=	CW + FSK 50/500	(AB)
M42b	15-1	0755	19101	Wed	Header: 172 100 15 0755 7324=	CW + FSK 50/500	(AB)
M42b	15-1	1530	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 029 100 15 1525 1357=	CW + FSK 50/500	(AB)
M42b	16-1	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 031 100 16 1525 1357=	CW + FSK 50/500	(AB)
M42b	17-1	0758	19101	Fri	F8PW F8PW F8PW DE PG76 PG76 K. Header: 174 100 17 0755 8309=	CW + FSK 50/500	(AB)
M42b	17-1	1534	5469	Fri	CDAP CDAP CDAP DE AIFK AIFK K. Header: 033 100 17 1525 1357=	CW + FSK 50/500	(AB)
M42b	18-1	0807	19101	Sat	F8PW F8PW F8PW DE PG76 PG76 K. Header: 175 100 18 0800 9835=	CW + FSK 50/500	(AB)
M42b	18-1	1534	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 035 100 18 1525 1357=	CW + FSK 50/500	(AB)
M42b	19-1	0758	19101	Sun	IC8U IC8U IC8U. Header: 176 100 19 0755 8712=	CW + FSK 50/500	(AB)
M42b	19-1	1534	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 037 100 19 1525 1357=	CW + FSK 50/500	(AB)
M42b	20-1	0811	19101	Mon	2I16 2I16 2I16 DE 2KNH 2KNH K. 6JI1 6JI1 6JI1 DE 2YaH 2YaH K. 6JI1 6JI1 6JI1 DE 2YaNH 2YaNH K. No message	CW + FSK 50/500	(AB)
M42b	20-1	1537	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 039 100 20 1530 1357=	CW	(AB)
M42b	21-1	0803	19101	Tue	1EZP 1EZP 1EZP DE H4ZY H4ZY K. Header: 178 100 21 0755 7639=	CW + FSK 50/500	(AB)
M42b	21-1	1534	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 041 100 21 1525 1357=	CW + FSK 50/500	(AB)
M42b	22-1	0807	19101	Wed	2BZY 2BZY 2BZY DE A3PC ARPC K = = R 179 100 22 0800 2077 K	CW	(AB)
M42b	22-1	1530	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 043 100 22 1540 1357=	CW + FSK 50/500	(AB)
M42b	23-1	0806	19101	Thu	W2A W2A V. Header: 180 100 23 0755 7538=	CW + FSK 50/500	(AB)
M42b	23-1	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 045 100 23 1525 1357=	CW + FSK 50/500	(AB)
M42b	24-1	0801	19101	Fri	N1ZE N1ZE N1ZE DE FE3. Header: 188 100 31 0755 7205=	CW + FSK 50/500	(AB)
M42b	24-1	0809	19101	Fri	S5W8 S528 S5W8 DE MB8W MB8W K. Header: 181 100 24 0800 5752=	CW + FSK 50/500	(AB)
M42b	24-1	1534	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 047 100 24 1530 1357=	CW + FSK 50/500	(AB)
M42b	25-1	0807	19101	Sat	5NT8 5NT8 5NT8 DE OA9K OA9K K. Header: 182 100 25 0755 9352=	CW + FSK 50/500	(AB)
M42b	25-1	1534	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 049 100 25 1525 1357=	CW + FSK 50/500	(AB)
M42b	26-1	0810	19101	Sun	i.p. Header: 183 100 26 0800 4105=	CW + FSK 50/500	(AB)
M42b	26-1	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 051 100 26 1525 1357=	CW + FSK 50/500	(AB)
M42b	27-1	0801	19101	Mon	FI17FI1. Header: 184 100 27 0755 7395=	CW + FSK 50/500	(AB)

M42b	27-1	1534	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 053 100 27 1525 1357=	CW	(AB)
M42b	28-1	0805	19101	Tue	Header: 185 100 28 0800 5216=	CW + FSK 50/500	(AB)
M42b	28-1	1534	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 055 100 28 1525 1357= =	CW + FSK 50/500	(AB)
M42b	29-1	0801	19101	Wed	M4YaT M4YaT. Header: 186 100 29 0755 7832=	CW + FSK 50/500	(AB)
M42b	30-1	0800	19101	Thu	K3A. Header: 187 100 30 0800 9245=	CW + FSK 50/500	(AB)
M42b	30-1	1535	5469	Thu	CDAP CDAP CDAP DE AIFK AIFK K. Header: 059 100 30 1525 1357=	CW + FSK 50/500	(AB)
M42b	31-1	1534	5469	Fri	UDAP UDAP UDAP DE AIFH AIFH K. Header: 061 100 31 1525 1357=	CW + FSK 50/500	(AB)
M89	5-1	1935	4357	Sun	V 3JWV (x3) DE QSV9 (x2)	CW	(JPL-RUS)
M89	5-1	1935	5742	Sun	V 3JWV (x3) DE QSV9 (x2)	CW	(JPL-RUS)
M89	9-1	1900	3703	Thu	i.p. A6U3 TD3T TBTA ... AR K. R RPT K. R SK	CW	(JPL-RUS)
M89	9-1	1925	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	9-1	1929	4846	Thu	V 4DFK (x3) DE M7KQ (x2)	CW	(JPL-RUS)
M89	9-1	1929	6986	Thu	V 4DFK (x3) DE M7KQ (x2)	CW	(JPL-RUS)
M89	11-1	0127	9927	Sat	i.p. 7UNN 7T7B ... AR. R QSL 0933K. R OK K. R SK K. SK	CW	(JPL-RUS)
M89	11-1	0150	8375	Sat	V 3JWV (x3) DE QSV9 (x2)	CW	(JPL-RUS)
M89	18-1	0109	12124	Sat	V 3JWV (x3) DE QSV9 (x2)	CW	(JPL)
M89	21-1	1825	4860	Tue	V Q2M (x3) DE NYZ (x2) //6840 kHz	CW	(JPL-J)
M89	21-1	1825	6840	Tue	V Q2M (x3) DE NYZ (x2) //4860 kHz	CW	(JPL-J)
M89	25-1	1917	4846	Sat	V 4DFK 4DFK 4DFK DE M7KQ M7K1	CW	(JPL)
M95	5-1	1935	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	5-1	1935	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	9-1	1935	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	9-1	1935	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	10-1	1236	14514	Fri	V 7BYX TBYX 7BYX DE 8CK0 8CK0 HR MSG GA NR 1001 CK 5018 .... (repeat of V26 and Q26)	CW	(EW)
M95	21-1	1905	3903	Tue	V WCJJ (x3) DE HBDD (x2) //6886 kHz	CW	(JPL-RUS)
M95	21-1	1905	6886	Tue	V WCJJ (x3) DE HBDD (x2) //3903 kHz	CW	(JPL-RUS)
M95	24-1	1237	14514	Fri	V BNAD BNAD BNAD DE XS14 XS14 HR MSG GA NR 1001 CK 50 18 1023 2020 = ... (sent twice) Same message as Q26 and V26	CW	(EW)
M95	24-1	1331	6886	Fri	V WCJJ WCJJ WCJJ DE HBDD H8DD	CW	(TJ)
MX	8-1	2033	5156.8	Wed	Beacon L, St Petersburg	CW	(AB)
MX	10-1	2134	3657	Fri	Beacon V	CW	(AB)
MX	10-1	2134	4465	Fri	Beacon V	CW	(AB)
NB	1-1	1647	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	1-1	1647	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	1-1	1647	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	2-1	1714	5365	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	2-1	1714	6365	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	2-1	1714	8365	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-1	1822	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-1	1822	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-1	1822	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)

NB	8-1	1719	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	8-1	1719	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	8-1	1719	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	8-1	2036	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	8-1	2036	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	8-1	2036	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-1	1958	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-1	1958	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-1	1958	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	1718	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	1718	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	1718	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	2035	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	2035	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-1	2035	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	17-1	1734	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	17-1	1734	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	17-1	1734	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-1	2200	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-1	2200	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-1	2200	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-1	2006	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-1	2006	5950	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-1	2006	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-1	1459	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-1	1459	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-1	1459	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-1	1759	5782	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-1	1759	5950	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-1	1759	6930	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-1	1717	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-1	1717	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-1	1717	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	25-1	1958	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	25-1	1958	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	25-1	1958	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-1	1653	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-1	1653	5950	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-1	1653	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-1	2058	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-1	2058	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-1	2058	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)

NB	30-1	2118	5782	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	30-1	2118	5950	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	30-1	2118	6930	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	31-1	1800	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	31-1	1800	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	31-1	1800	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
P03	2-1	0430	6252	Thu	Polish intel.	PSK	(TM)
P03	2-1	0435	6252	Thu	Polish intel.	PSK	(TM)
P03	2-1	0635	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	2-1	0640	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	3-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	3-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	3-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	3-1	1105	5815	Fri	Polish intel.	PSK	(AB)
P03	3-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	3-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03	4-1	1020	4505	Sat	Polish intel.	PSK	(AB)
P03	4-1	1025	4505	Sat	Polish intel.	PSK	(AB)
P03	4-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	4-1	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	5-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	5-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	5-1	1020	4505	Sun	Polish intel.	PSK	(AB)
P03	5-1	1025	4505	Sun	Polish intel.	PSK	(AB)
P03	5-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	5-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	5-1	1220	23353	Sun	Polish intel.	PSK	(AB)
P03	5-1	1225	23353	Sun	Polish intel.	PSK	(AB)
P03	5-1	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	5-1	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	5-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	5-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	5-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	5-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	5-1	1950	6814	Sun	Polish intel.	PSK	(AB)
P03	5-1	1955	6814	Sun	Polish intel.	PSK	(AB)
P03	6-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	6-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	7-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	7-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	8-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	8-1	1315	7850	Wed	Polish intel.	PSK	(AB)

P03	9-1	0430	6252	Thu	Polish intel.	PSK	(TM)
P03	9-1	0435	6252	Thu	Polish intel.	PSK	(TM)
P03	9-1	0635	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	9-1	0640	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	10-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	10-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	10-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	10-1	1105	5815	Fri	Polish intel.	PSK	(AB)
P03	12-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	12-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	12-1	1020	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	12-1	1025	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	12-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	12-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	12-1	1220	23353	Sun	Polish intel.	PSK	(AB)
P03	12-1	1225	23353	Sun	Polish intel.	PSK	(AB)
P03	12-1	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	12-1	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	12-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	12-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	12-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	12-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	12-1	1950	6814	Sun	Polish intel.	PSK	(AB)
P03	12-1	1955	6814	Sun	Polish intel.	PSK	(AB)
P03	13-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	13-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	14-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	14-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	14-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	14-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	15-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	15-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	16-1	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	16-1	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	16-1	0635	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	16-1	0640	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	16-1	1950	6814	Thu	Polish intel.	PSK	(AB)
P03	16-1	1955	6814	Thu	Polish intel.	PSK	(AB)
P03	17-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	17-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	17-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	17-1	1105	5815	Fri	Polish intel.	PSK	(AB)

P03	17-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	17-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03	18-1	1020	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	18-1	1025	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	18-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	18-1	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	18-1	1310	7850	Sat	Polish intel.	PSK	(AB)
P03	18-1	1315	7850	Sat	Polish intel.	PSK	(AB)
P03	19-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	19-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	19-1	1020	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	19-1	1025	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	19-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	19-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	19-1	1220	23353	Sun	Polish intel.	PSK	(AB)
P03	19-1	1225	23353	Sun	Polish intel.	PSK	(AB)
P03	19-1	1245	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	19-1	1250	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	19-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	19-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	19-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	19-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	19-1	1950	6814	Sun	Polish intel.	PSK	(AB)
P03	19-1	1955	6814	Sun	Polish intel.	PSK	(AB)
P03	20-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	20-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	21-1	0635	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	21-1	0640	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	21-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	21-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	22-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	22-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	23-1	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	23-1	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	23-1	0635	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	23-1	0640	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	23-1	1950	6814	Thu	Polish intel.	PSK	(AB)
P03	23-1	1955	6814	Thu	Polish intel.	PSK	(AB)
P03	24-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	24-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	24-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	24-1	1105	5815	Fri	Polish intel.	PSK	(AB)

P03	24-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	24-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03	25-1	1020	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	25-1	1025	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	25-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	25-1	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	25-1	1310	7850	Sat	Polish intel.	PSK	(AB)
P03	25-1	1315	7850	Sat	Polish intel.	PSK	(AB)
P03	26-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	26-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	26-1	1020	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	26-1	1025	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	26-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	26-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	26-1	1245	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	26-1	1250	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	26-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	26-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	26-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	26-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	26-1	1950	6814	Sun	Polish intel.	PSK	(AB)
P03	26-1	1955	6814	Sun	Polish intel.	PSK	(AB)
P03	27-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	27-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	28-1	0430	6252	Tue	Polish intel.	PSK	(TM)
P03	28-1	0435	6252	Tue	Polish intel.	PSK	(TM)
P03	28-1	0635	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	28-1	0640	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	28-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	28-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	29-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	29-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	30-1	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	30-1	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	30-1	0635	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	30-1	0640	25060	Thu	Polish intel.	PSK	(AB-POL)
P03	30-1	1950	6814	Thu	Polish intel.	PSK	(AB)
P03	30-1	1955	6814	Thu	Polish intel.	PSK	(AB)
P03	31-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	31-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	31-1	1100	5815	Fri	Polish intel.	PSK	(AB-POL)
P03	31-1	1105	5815	Fri	Polish intel.	PSK	(AB-POL)

P03	31-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	31-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03g	1-1	0950	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	0955	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1030	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1035	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1100	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1105	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-1	0950	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-1	0955	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-1	1030	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-1	1035	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-1	1100	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-1	1105	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	0950	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	0955	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1030	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1035	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1100	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1105	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-1	0950	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-1	0955	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-1	1030	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-1	1035	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-1	1100	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-1	1105	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	0950	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	0955	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1030	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1035	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1100	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1105	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-1	0950	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-1	0955	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	20-1	1030	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-1	1035	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-1	1100	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-1	1105	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	0950	13825	Wed	No transmission	BPSK 50Bd/464bp	(AB)
P03g	22-1	0955	13825	Wed	No transmission	BPSK 50Bd/464bp	(AB)
P03g	22-1	1030	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	1035	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	1100	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	1105	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-1	0950	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-1	0955	13825	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-1	1030	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-1	1035	9610	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-1	1100	11092	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-1	1105	11092	Tue	Polish intel	BPSK 50Bd/464bp	(AB)
P03g	29-1	0950	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	0955	13825	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1030	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1035	9610	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1100	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1105	11092	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03j	2-1	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	2-1	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-1	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-1	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-1	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-1	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	23-1	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	23-1	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	30-1	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	30-1	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-1	1730	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	1735	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	0630	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	0635	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	1730	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	1735	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-1	1730	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-1	1735	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1730	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1735	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-1	1730	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-1	1735	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	0630	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	0635	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1730	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1735	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-1	0630	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-1	0635	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	1730	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	1735	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	0630	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	0635	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	1730	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	1735	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	26-1	0630	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-1	0635	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-1	1730	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-1	1735	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-1	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-1	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-1	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-1	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-1	1200	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-1	1205	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-1	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-1	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-1	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-1	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-1	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-1	1200	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-1	1205	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-1	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-1	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-1	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

P03l	15-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-1	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-1	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-1	1200	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-1	1205	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	20-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	20-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-1	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	22-1	0800	14656	Wed	Test tone. No transmission	QPSK 100Bd/464bp	(AB)
P03l	22-1	0805	14656	Wed	Test tone. No transmission	QPSK 100Bd/464bp	(AB)
P03l	22-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	22-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	1200	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	1205	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	1800	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-1	1805	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	24-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	24-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	27-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	27-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	28-1	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	29-1	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	29-1	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	29-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	29-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	30-1	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	30-1	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	30-1	1200	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-1	1205	8102	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-1	1800	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-1	1805	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-1	1500	7854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1500	7854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1510	6926	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1520	5814	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1530	5471	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1540	5094	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-1	1550	4639	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1500	7854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1500	7854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1510	6926	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1520	5814	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1530	5471	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1540	5094	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-1	1550	4639	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1500	7854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1500	7854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1510	6926	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1520	5814	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1530	5471	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1540	5094	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-1	1550	4639	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	22-1	1500	7854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1500	7854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1510	6926	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1520	5814	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1530	5471	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1540	5094	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-1	1550	4639	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1500	7854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	1-1	1104	8903.5	Wed	12132424461246124612434817381936218638781 2	4+4 QPSK 75/1000 LSB	(EW)
Q26	1-1	1121	8891	Wed	2222 2222 2222 DE 1111 1111 1111 HR MSG GA PSE CY 547=CCK 198 24 0101 1920 ... QSL?QSL?QSL?QSL? NR 475 /	4+4 QPSK 75/1000 LSB	(EW)
Q26	24-1	1232	14514	Fri	V BNAD BNAD BNAD DE XS14 XS14 HR MSG GA NR 1001 CK 50 18 1023 2020 = ... (sent twice) Same message as V26 and M95)	4+4 QPSK 75/1000 LSB	(EW)
Q26 4+4	11-1	1226	14514	Sat	AH4 CW WK &&*****F FUWI FUWI FUWI DE 4CV6 4CV6 HR MSG GA NR1001 CK50 18 0110 1000 ... (V26 on USB at the same time)	QPSK 75/1000 LSB 4+4	(EW)
Q26 4+4	11-1	1244	14514	Sat	Message (V26 on USB at the same time)	QPSK 75/1000 LSB 4+4	(EW)
Q26 4+4	11-1	1256	14514	Sat	Message (V26 on USB at the same time)	QPSK 75/1000 LSB 4+4	(EW)
S06	3-1	2100	5943	Fri	842 647 647 00000	USB	(HFD)
S06	4-1	1600	9075	Sat	480 725 44 02548 …	USB	(HFD)
S06	4-1	1630	6792	Sat	480 725 44 02548 …	USB	(HFD)
S06	5-1	0730	11487	Sun	480 725 44 02548 …	USB	(HFD)
S06	5-1	0800	9371	Sun	480 725 44 02548 …	USB	(HFD)
S06	8-1	0930	11073	Wed	480 613 42 16123 19286 51876 ... 14103 15256 94208 613 42 00000	USB	(AB/HFD)
S06	8-1	1030	10212	Wed	480 613 42 16123 19286 51876 ... 14103 15256 94208 613 42 00000	USB	(AB/HFD)
S06	9-1	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	9-1	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S06	13-1	0400	11616	Mon	480 927 54 72753 45164 95698 ... 44753 01980 52500 927 54 00000	USB	(Subilo)
S06	13-1	0420	9322	Mon	480 927 54 72753 45164 95698 ... 44753 01980 52500 927 54 00000	USB	(Subilo)
S06	14-1	0400	11616	Tue	480 927 54 72753 45164 95698 ... 44753 01980 52500 927 54 00000	USB	(Subilo)
S06	14-1	0420	9322	Tue	480 927 54 72753 45164 95698 ... 44753 01980 52500 927 54 00000	USB	(Subilo)

S06	15-1	0400	11616	Wed	480 135 24 51402 50222 95028 ... 88215 35340 91529 135 24 480 679 26 51855 44849 80654 ... 56099 59442 26119 679 26 00000	USB	(Subilo)
S06	15-1	0420	9322	Wed	480 135 24 51402 50222 95028 ... 88215 35340 91529 135 24 480 679 26 51855 44849 80654 ... 56099 59442 26119 679 26 00000	USB	(Subilo)
S06	15-1	0930	11073	Wed	480 135 47 83857 82738 95128 ... 41421 83834 36252 135 47 00000	USB	(AB)
S06	15-1	1030	10212	Wed	480 135 47 83857 82738 95128 ... 41421 83834 36252 135 47 00000	USB	(AB)
S06	16-1	0400	11616	Thu	480 135 24 51402 50222 95028 ... 88215 35340 91529 135 24 480 679 26 51855 44849 80654 ... 56099 59442 26119 679 26 00000	USB	(Subilo)
S06	16-1	0420	9322	Thu	480 135 24 51402 50222 95028 ... 88215 35340 91529 135 24 480 679 26 51855 44849 80654 ... 56099 59442 26119 679 26 00000	USB	(Subilo)
S06	17-1	0400	11616	Fri	480 480 480 00000	USB	(Subilo/Lac)
S06	17-1	0420	9322	Fri	480 480 480 00000	USB	(Subilo/Lac)
S06	17-1	2000	7923	Fri	842 842 842 00000	USB	(HFD-ROU)
S06	17-1	2100	5938	Fri	842 842 842 00000	USB	(AB/HFD)
S06	18-1	1600	9075	Sat	480 769 45 56982 92976 50279 ... 42607 57148 29286 769 45 00000	USB	(AB)
S06	18-1	1630	6792	Sat	480 769 45 56982 92976 50279 ... 42607 57148 29286 769 45 00000	USB	(AB)
S06	19-1	0730	11487	Sun	480 769 45 56982 92976 50279 ... 42607 57148 29286 769 45 00000	USB	(AB-POL)
S06	19-1	0800	9371	Sun	480 769 45 56982 92976 50279 ... 42607 57148 29286 769 45 00000	USB	(AB-POL)
S06	20-1	0400	11616	Mon	480 523 59 12954 25943 30254 ... 61978 48354 78949 523 59 00000	USB	(Subilo)
S06	20-1	0420	9322	Mon	480 523 59 12954 25943 30254 ... 61978 48354 78949 523 59 00000	USB	(Subilo)
S06	21-1	0400	11616	Tue	480 523 59 12954 25943 30254 ... 61978 48354 78949 523 59 00000	USB	(Subilo)
S06	21-1	0420	9322	Tue	480 523 59 12954 25943 30254 ... 61978 48354 78949 523 59 00000	USB	(Subilo)
S06	22-1	0400	11616	Wed	480 256 17 41336 32677 21697 ... 42748 21420 37740 256 17 480 791 34 05944 18881 93840 ... 74859 94041 63552 791 34 00000	USB	(Subilo)
S06	22-1	0420	9322	Wed	480 256 17 41336 32677 21697 ... 42748 21420 37740 256 17 480 791 34 05944 18881 93840 ... 74859 94041 63552 791 34 00000	USB	(Subilo)
S06	22-1	0930	11073	Wed	480 521 43 49308 48926 41386 ... 72169 38137 80963 521 43 00000	USB	(AB)
S06	22-1	1030	10212	Wed	480 521 43 49308 48926 41386 ... 72169 38137 80963 521 43 00000	USB	(AB)
S06	23-1	0400	11616	Thu	480 256 17 41336 32677 21697 ... 42748 21420 37740 256 17 480 791 34 05944 18881 93840 ... 74859 94041 63552 791 34 00000	USB	(Subilo)
S06	23-1	0420	9322	Thu	480 256 17 41336 32677 21697 ... 42748 21420 37740 256 17 480 791 34 05944 18881 93840 ... 74859 94041 63552 791 34 00000	USB	(Subilo)
S06	24-1	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	24-1	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	27-1	0400	11616	Mon	480 937 52 98016 14964 56771 ... 55390 33431 78303 937 52 00000	USB	(Subilo)
S06	27-1	0420	9322	Mon	480 937 52 98016 14964 56771 ... 55390 33431 78303 937 52 00000	USB	(Subilo)
S06	28-1	0400	11616	Tue	480 937 52 98016 14964 56771 ... 55390 33431 78303 937 52 00000	USB	(Subilo)
S06	28-1	0420	9322	Tue	480 937 52 98016 14964 56771 ... 55390 33431 78303 937 52 00000	USB	(Subilo)
S06	29-1	0400	11616	Wed	480 165 20 10100 73268 11186 ... 80653 41071 64649 165 20 480 372 40 63430 51479 84649 ... 54243 84001 98271 372 40 00000	USB	(Subilo)
S06	29-1	0420	9322	Wed	480 165 20 10100 73268 11186 ... 80653 41071 64649 165 20 480 372 40 63430 51479 84649 ... 54243 84001 98271 372 40 00000	USB	(Subilo)

S06	29-1	0930	11073	Wed	480 125 46 87065 70564 96947 ... 68278 72698 03708 125 46 00000	USB	(AB)
S06	29-1	1030	10212	Wed	480 125 46 87065 70564 96947 ... 68278 72698 03708 125 46 00000	USB	(AB)
S06	30-1	0400	11616	Thu	480 165 20 10100 73268 11186 ... 80653 41071 64649 165 20 480 372 40 63430 51479 84649 ... 54243 84001 98271 372 40 00000	USB	(Subilo)
S06	30-1	0420	9322	Thu	480 165 20 10100 73268 11186 ... 80653 41071 64649 165 20 480 372 40 63430 51479 84649 ... 54243 84001 98271 372 40 00000	USB	(Subilo)
S06	31-1	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	31-1	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S11a	1-1	0725	23486	Wed	385/00 Konets	USB	(Lac)
S11a	1-1	1850	11486	Wed	285/00 Konets	USB	(Lac)
S11a	2-1	0700	9050	Thu	477/00 Konets	USB	(AB)
S11a	3-1	0725	23486	Fri	380/00 Konets	USB	(AB)
S11a	3-1	0915	6252	Fri	481/00 Konets	USB	(AB)
S11a	3-1	1400	10448	Fri	420/00 Konets	USB	(AB)
S11a	4-1	0830	5371	Sat	379/00 Konets	USB	(AB)
S11a	5-1	0830	5371	Sun	371/00 Konets	USB	(AB)
S11a	6-1	0510	21906	Mon	655/38 Vnimaniye 56339 04549 73635 ... 63501 20369 81724 Vnimaniye (msg rptd) Konets	USB	(Subilo)
S11a	6-1	0700	9050	Mon	475/40 Vnimaniye 34325 70449 41601 ... 07006 16744 29347 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	6-1	0715	20167	Mon	750/34 Attention 07200 55749 09646 ... 63429 30702 48581 Attention (msg rptd) Out	USB	(Subilo)
S11a	6-1	0915	6252	Mon	480/00 Konets	USB	(AB)
S11a	6-1	1745	12924	Mon	249/40 Attention 59650 49046 38763 ... 63625 88668 34746 Attention (msg rptd) Out	USB	(Subilo)
S11a	7-1	1400	10448	Tue	421/00 Konets	USB	(AB)
S11a	8-1	0510	21906	Wed	655/38 Vnimaniye 56339 04549 73635 ... 63501 20369 81724 Vnimaniye (msg rptd) Konets	USB	(Subilo)
S11a	8-1	0715	20167	Wed	750/34 Attention 07200 55749 09646 ... 63429 30702 48581 Attention (msg rptd) Out	USB	(Subilo)
S11a	8-1	0725	23486	Wed	383/38 Vnimaniye 80053 66074 16883 ... 08871 24346 72845 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	8-1	1850	11486	Wed	285/00 Konets	USB	(AB-POL)
S11a	9-1	0700	9050	Thu	475/40 Vnimaniye 34325 70449 41601 ... 07006 16744 29347 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	10-1	0725	23486	Fri	383/38 Vnimaniye 80053 66074 16883 ... 08871 24346 72845 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	10-1	0915	6252	Fri	483/00 Konets	USB	(AB)
S11a	11-1	1850	11486	Sat	288/00 Konets	USB	(AB)
S11a	12-1	0830	5371	Sun	373/32 Vnimaniye 36354 05442 35053 ... 09165 81193 89851 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	12-1	1745	12924	Sun	249/40 Attention 59650 49046 38763 ... 63625 88668 34746 Attention (msg rptd) Out	USB	(Subilo)
S11a	13-1	0315	12089	Mon	251/34 Attention 49573 16181 78055 ... 19734 24547 01963 Attention (msg rptd) Out	USB	(Subilo)
S11a	13-1	0700	9050	Mon	477/00 Konets	USB	(AB)
S11a	13-1	0915	6252	Mon	484/00 Konets	USB	(AB)

S11a	13-1	0915	6252	Mon	484/00 Konets	USB	(AB)
S11a	14-1	0445	11559	Tue	Too weak to copy	USB	(AB)
S11a	14-1	1230	12153	Tue	335/31 Attention 05607 99322 53097 ... 71275 25250 66214 Attention (msg rptd) Out	USB	(Subilo)
S11a	14-1	1400	10448	Tue	427/36 Vnimaniye 00331 15048 78760 ... 80788 76958 98014 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	14-1	1605	5432	Tue	232/38 Attention 60374 75747 30289 ... 50524 04096 14570 Attention (msg rptd) Out	USB	(Subilo)
S11a	15-1	0315	12089	Wed	251/34 Attention 49573 16181 78055 ... 19734 24547 01963 Attention (msg rptd) Out	USB	(Subilo)
S11a	15-1	0725	23486	Wed	384/00 Konets	USB	(AB-POL)
S11a	15-1	1850	11486	Wed	281/00 Konets	USB	(AB/Lac)
S11a	16-1	0700	9050	Thu	476/00 Konets	USB	(AB)
S11a	16-1	1230	12153	Thu	335/31 Attention 05607 99322 53097 ... 71275 25250 66214 Attention (msg rptd) Out	USB	(Subilo)
S11a	17-1	0725	23486	Fri	384/00 Konets	USB	(AB)
S11a	17-1	0915	6252	Fri	Test tone. No transmission	USB	(AB)
S11a	17-1	1400	10448	Fri	427/36 Vnimaniye 00331 15048 78760 ... 80788 76958 98014 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	18-1	0830	5371	Sat	373/00 Konets	USB	(AB)
S11a	18-1	1850	11486	Sat	282/00 Konets	USB	(AB)
S11a	19-1	0830	5371	Sun	373/00 Konets	USB	(AB)
S11a	19-1	1605	5432	Sun	232/38 Attention 60374 75747 30289 ... 50524 04096 14570 Attention (msg rptd) Out	USB	(Subilo)
S11a	20-1	0700	9050	Mon	471/00 Konets	USB	(AB/Lac)
S11a	21-1	1400	10448	Tue	421/00 Konets	USB	(AB)
S11a	22-1	0725	23486	Wed	Test tone. No transmission	USB	(AB-POL)
S11a	22-1	1850	11486	Wed	281/36 Vnimaniye 37570 95835 28333 ... 32614 88247 17753 Vnimaniye (msg rptd) Konets	USB	(AB/EB4APL)
S11a	23-1	0445	11559	Thu	796/00 Konets	USB	(TM)
S11a	23-1	0700	9050	Thu	479/00 Konets	USB	(AB)
S11a	24-1	0725	23486	Fri	389/00 Konets	USB	(AB)
S11a	24-1	0915	6252	Fri	483/35 Vnimaniye 38005 30152 10600 ... 64954 21126 47535 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	24-1	1400	10448	Fri	424/00 Konets	USB	(AB)
S11a	25-1	0830	5371	Sat	376/00 Konets	USB	(AB)
S11a	25-1	1850	11486	Sat	281/36 Vnimaniye 37570 95835 28333 ... 32614 88247 17753 Vnimaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	26-1	0830	5371	Sun	379/00 Konets	USB	(AB)
S11a	27-1	0600	23004	Mon	941/37 Attention 73296 12927 56347 ... 09334 78137 39533 Attention (msg rptd) Out	USB	(Subilo)
S11a	27-1	0700	9050	Mon	471/00 Konets	USB	(AB)
S11a	27-1	0915	6252	Mon	483/00 Konets	USB	(AB)
S11a	28-1	0445	11559	Tue	791/34 Vnimaniye 75741 37795 54456 ... 10785 72854 56064 Vnimaniye (msg rptd) Konets	USB	(Subilo)
S11a	28-1	1400	10448	Tue	420/00 Konets	USB	(AB)
S11a	29-1	0600	23004	Wed	941/37 Attention 73296 12927 56347 ... 09334 78137 39533 Attention (msg rptd) Out	USB	(Subilo)
S11a	29-1	0725	23486	Wed	383/00 Konets	USB	(AB-POL)

S11a	29-1	1850	11486	Wed	288/00 Konets	USB	(AB)
S11a	30-1	0445	11559	Thu	791/34 Vnimaniye 75741 37795 54456 ... 10785 72854 56064 Vnimaniye (msg rptd) Konets	USB	(Subilo)
S11a	30-1	0700	9050	Thu	472/00 Konets	USB	(AB)
S11a	31-1	0725	23486	Fri	380/00 Konets	USB	(AB)
S11a	31-1	0915	6252	Fri	487/00 Konets	USB	(AB)
S11a	31-1	1400	10448	Fri	420/00 Konets	USB	(AB)
UM04	1-1	0800	4735	Wed	VVV VVV PROMRCh = 01 01 = 1000 1070 1120 1320 1900 ... 0800 0650 0700 0840 1230 = AR	CW	(AB-GRC)
UM04	2-1	0800	4735	Thu	VVV VVV PROMRCh = 02 01 = 1000 1080 1140 1330 ... 0800 0650 0700 0840 1230 = AR	CW	(AB-HNG)
UM04	3-1	0800	4735	Fri	VVV VVV PROMRCh = 03 01 = 1000 1100 1150 1350 1940 ... 0800 0650 0700 0840 1230 = AR	CW	(AB-HNG)
UM04	5-1	0800	4735	Sun	VVV VVV PROMRCh = 05 01 = 1000 1110 1170 1370 1960 ... 0800 0650 0690 0830 1220 = AR	CW	(Subilo)
UM04	6-1	0800	4735	Mon	VVV VVV PROMRCh = 06 01 = 1000 1120 1180 1380 1970 ... 0800 0640 0690 0830 1210 = AR	CW	(Subilo)
UM04	7-1	0800	4735	Tue	VVV VVV PROMRCh = 07 01 = 1000 1110 1170 1370 1960 ... 0800 0640 0690 0820 1200 = AR	CW	(AB-HNG)
UM04	8-1	0800	4735	Wed	VVV VVV PROMRCh = 08 01 = 1000 1110 1160 1360 1950 ... 0800 0640 0680 0820 1200 = AR	CW	(AB-GRC)
UM04	9-1	0803	4735	Thu	VVV VVV PROMRCh = 09 01 = 1000 1110 1170 1360 1960 ... 0800 0630 0680 0810 1190 = AR	CW	(AB-HNG)
UM04	10-1	0800	4735	Fri	VVV VVV PROMRCh = 10 01 = 1000 1110 1160 1360 1950 ... 0800 0630 0670 0810 1180 = AR	CW	(AB-HNG)
UM04	11-1	0800	4735	Sat	VVV VVV PROMRCh = 11 01 = 1000 1100 1160 1360 1950 ... 0800 0820 0870 0800 1180 = AR	CW	(Subilo)
UM04	12-1	0800	4375	Sun	VVV VVV PROMRCh = 12 01 = 1000 1100 1160 1360 1950 ... 0800 0630 0670 0800 1180 = AR	CW	(AB-GRC)
UM04	13-1	0801	4735	Mon	VVV VVV PROMRCh = 13 01 = 1000 1100 1160 1360 1950 ... 0800 0620 0660 0800 1180 = AR	CW	(AB-HNG)
UM04	14-1	0800	4735	Tue	VVV VVV PROMRCh = 14 01 = 1000 1090 1150 1350 1930 ... 0800 0620 0660 0790 1160 = AR	CW	(AB-HNG)
UM04	15-1	0801	4735	Wed	VVV VVV PROMRCh = 15 01 = 1000 1090 1140 1340 1930 ... 0800 0610 0660 0790 1160 = ABV then off	CW	(AB-GRC)
UM04	16-1	0803	4735	Thu	VVV VVV PROMRCh = 16 01 = 1000 1080 1140 1330 1920 ... 0800 0610 0650 0790 1160 = AR	CW	(AB-HNG)
UM04	17-1	0800	4735	Fri	VVV VVV PROMRCh = 17 01 = 1000 1080 1140 1340 1930 ... 0800 0610 0650 0780 1150 = AR	CW	(AB-HNG)
UM04	18-1	0800	4735	Sat	VVV VVV PROMRCh = 18 01 = 1000 1070 1130 1320 1900 ... 0800 0600 0640 0780 1140 = AR	CW	(Subilo)
UM04	19-1	0801	4375	Sun	VVV VVV PROMRCh = 19 01 = 1000 1070 1120 1320 1900 ... 0800 0600 0640 0780 1140 = AR	CW	(AB-GRC)

UM04	20-1	0801	4735	Mon	VVV VVV PROMRCh = 20 01 = 1000 1060 1120 1320 1890 ... 0800 0600 0640 0770 1140 = AR	CW	(AB-HNG)
UM04	21-1	0802	4735	Tue	VVV VVV PROMRCh = 21 01 = 1000 1060 1110 1310 1890 ... 0800 0590 062 0760 1130 = AR	CW	(AB-HNG)
UM04	22-1	0800	4735	Wed	VVV VVV PROMRCh = 22 01 = 1000 1040 1100 1300 1870 ... 0800 0590 0630 0770 1120 = AR	CW	(AB-GRC)
UM04	23-1	0803	4735	Thu	VVV VVV PROMRCh = 23 01 = 1000 1040 1100 1290 1870 ... 0800 0590 0630 0760 1130 = AR	CW	(AB-HNG)
UM04	24-1	0800	4735	Fri	VVV VVV PROMRCh = 24 01 = 1000 1040 1100 1290 1860 ... 0800 0590 0640 0770 1130 = AR	CW	(AB-GRC)
UM04	25-1	0800	4735	Sat	VVV VVV PROMRCh = 25 01 = 1000 1030 1090 ... 0800 0600 0640 0770 1140 = AR	CW	(AB-GRC)
UM04	26-1	0800	4375	Sun	VVV VVV PROMRCh = 26 01 = 1000 1030 1080 1280 1840 ... 0800 0600 0640 0780 1150 = AR	CW	(AB-GRC)
UM04	27-1	0800	4735	Mon	VVV VVV PROMRCh = 27-01 = 1000 1040 1100 1290 1870 ... 0800 0600 0650 0780 1140 = AR	CW	(AB-HNG)
UM04	28-1	0800	4735	Tue	VVV VVV PROMRCh = 28 01 = 1000 1040 1090 1290 1860 ... 0800 0610 0650 0780 1150 = AR followed by 8 dashes	CW	(AB-HNG)
UM04	29-1	0800	4735	Wed	VVV VVV PROMRCh = 21 01 = 1000 1040 1090 1290 1870 ... 0800 0610 0650 0790 1160 = AR	CW	(AB-GRC)
UM04	30-1	0800	4735	Thu	VVV VVV PROMRCh = 30 01 = 1000 1050 1100 1300 1870 ... 0800 0620 0660 0790 1170 = AR	CW	(Subilo)
UM04	31-1	0801	4735	Fri	i.p. 300 0420 0430 0480 0650 ... 0800 0620 0660 0790 1170 = ABV AR (no repeat)	CW	(AB-GRC)
UM05	6-1	1328	7542.8	Mon	CTE, G, Vert, Portecles, etc.	CW	(AB)
UM05	7-1	1314	7542.8	Tue	Soleil (R)	CW	(HFD)
UM05	7-1	1600	7542.8	Tue	Taxi, Lire, A, G, Plage, Vallee, etc.	CW	(AB)
UM05	8-1	0816	7542.8	Wed	Pluie, Foret, Chaise, etc.	CW	(AB)
UM05	9-1	0758	7542.8	Thu	Acteur, Lampe, Lundi, Cuillere, Echarpe, Veste, Accident, etc.	CW	(AB)
UM05	9-1	1727	7542.8	Thu	Conclusion (R)	CW	(HFD)
UM05	10-1	0815	7542.8	Fri	Cockinelle, W, Kiwi, Soir, Plante, Film, etc.	CW	(AB)
UM05	11-1	1139	7542.8	Sat	W, Aeroport, Tuatara, Nuit, K, etc.	CW	(EW)
UM05	12-1	0828	7542.8	Sun	E, Pain, 4, Decouverte, Neige, etc.	CW	(AB)
UM05	12-1	1004	7542.8	Sun	Nager (R)	CW	(HFD)
UM05	13-1	0747	7542.8	Mon	Heure, Argument, Etoiles, Danse, Couteau, etc.	CW	(AB)
UM05	14-1	0816	7542.8	Tue	Route, Ecrire, Depart, Second, Classe, 9, etc.	CW	(AB)
UM05	31-1	1645	7542.8	Fri	Pomme (R), etc.	CW	(CK)
UM05	31-1	1700	7542.8	Fri	Serpent (R), Eruption (R), etc.	CW	(AB)
V07	5-1	0200	17436	Sun	464 464 464 1 3178 79 3178 79 38973 18191 41248 ... 47056 30632 29124 000 000	USB	(Dan/HFD-USA)
V07	5-1	0220	14636	Sun	464 464 464 1 3178 79 3178 79 38973 18191 41248 ... 47056 30632 29124 000 000	USB	(HFD-USA)
V07	5-1	0240	13436	Sun	464 464 464 1 3178 79 3178 79 38973 18191 41248 ... 47056 30632 29124 000 000	USB	(HFD-USA)
V07	12-1	0200	17436	Sun	464 464 464 1 1223 64 1223 64 83475 02222 94474 ... 12531 78103 17882 000 000	USB	(Dan)
V07	19-1	0200	17436	Sun	464 464 464 1 8042 42 8042 42 17427 66753 37264 ... 96937 99608 95768 000 000	USB	(Dan)

V13	1-1	0000	8169	Wed	New Star Broadcasting, Station 1(c). No message available statement	USB	(AVX)
V13	1-1	0000	19052	Wed	New Star Broadcasting. Station 1(a). Messages to units 7999, 8138, 8191	USB	(AVX)
V13	1-1	0100	8169	Wed	New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off	USB	(AVX)
V13	1-1	0300	9276	Wed	New Star Broadcasting. Station 2. Briefly headers, followed by "no telegram for you", then off	USB	(AVX)
V13	1-1	0300	11430	Wed	New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off	USB	(AVX)
V13	1-1	1000	19052	Wed	New Star Broadcasting. Station 4	USB	(AVX)
V13	1-1	1000	20025	Wed	New Star Broadcasting. Station 2	USB	(AVX)
V13	1-1	1000	20095	Wed	New Star Broadcasting. Station 1(b). Briefly headers, followed by "no telegram for you", then off	USB	(AVX)
V13	1-1	1000	20095	Wed	New Star Broadcasting. Station 5	USB	(AVX)
V13	5-1	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 3174, 6063, 7735	USB	(FSpy)
V13	5-1	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 3174, 6063, 7735	USB	(FSpy)
V13	5-1	0030	15890	Sun	New Star Broadcasting. Station 3. Messages to units 3174, 6063, 7735	USB	(FSpy)
V13	5-1	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1794, 3346, 8421	USB	(FSpy)
V13	5-1	0100	19052	Sun	New Star Broadcasting. Station 1(a). Messages to units 7999, 8138, 8191	USB	(FSpy/AVX)
V13	5-1	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1794, 3346, 8421	USB	(FSpy)
V13	5-1	0130	19052	Sun	New Star Broadcasting. Station 1(a). Messages to units 7999, 8138, 8191	USB	(FSpy/AVX)
V13	5-1	0200	8169	Sun	New Star Broadcasting. Station 1. Messages to units 5470, 5833, 6247	USB	(FSpy)
V13	5-1	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2085, 4392, 7106	USB	(FSpy)
V13	5-1	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 5470, 5833, 6247	USB	(FSpy/AVX)
V13	5-1	0230	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2085, 4392, 7106	USB	(FSpy)
V13	5-1	0230	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2085, 4392, 7106	USB	(FSpy)
V13	5-1	0230	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2085, 4392, 7106	USB	(FSpy)
V13	5-1	0230	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 5470, 5833, 6247	USB	(FSpy/AVX)
V13	5-1	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 2243, 2731, 2890	USB	(AVX)
V13	5-1	1030	20095	Sun	New Star Broadcasting. Station 5. Messages to units 2243, 2731, 2890	USB	(AVX)
V13	5-1	1100	20025	Sun	New Star Broadcasting. Station 5. Messages to units 2243, 2731, 2890	USB	(AVX)
V13	5-1	1130	20025	Sun	New Star Broadcasting. Station 5. Messages to units 2243, 2731, 2890	USB	(AVX)
V13	12-1	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 7315, 7562, 9992	USB	(FSpy)
V13	12-1	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 3781, 4586, 9508	USB	(FSpy)
V13	12-1	0130	20025	Sun	New Stat Broadcasting. Station 4. Messages to units 3781, 4586, 9508	USB	(FSpy)
V13	12-1	0230	8169	Sun	New Star Broadcasting. Station 1. Messages to units 1727, 4659, 7868	USB	(FSpy)
V13	12-1	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 2561, 7027, 9997	USB	(FSpy)
V13	12-1	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 6134, 6590, 7458	USB	(AVX)
V13	13-1	0000	19052	Mon	New Star Broadcasting. Station 1(a). Messages to units 2309, 2515, 2828, 2987	USB	(AVX)
V13	14-1	1030	20095	Tue	Mew Star Broadcasting	USB	(AB)
V13	19-1	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 1006, 9452, 9934	USB	(FSpy)
V13	19-1	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1771, 4790, 6818	USB	(FSpy)
V13	19-1	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 6530, 7259, 8480	USB	(AVX)

V13	19-1	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 6118, 7462, 8087	USB	(AVX)
V13	19-1	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 1644, 2803, 9833	USB	(AVX)
V13	20-1	0100	19052	Mon	New Star Broadcasting. Station 1(a). Messages to units 3088, 3252, 3676, 3698, 3745	USB	(AVX/FSpy)
V13	20-1	1330	14944	Mon	New Star Broadcasting. Station 1(a). Messages to units 3088, 3252, 3676, 3698, 3745	USB	(AVX)
V13	21-1	0130	8169	Tue	New Star Broadcasting. Station 1. Messages to units 6530, 7259, 8480	USB	(FSpy)
V13	21-1	0330	9276	Tue	New Star Broadcasting. Station 2. Messages to units 6118, 7462, 8087	USB	(FSpy/AVX)
V13	25-1	0200	8169	Sat	New Star Broadcasting. Station 1. Messages to units 5470, 5833, 6247	USB	(FSpy)
V13	26-1	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 3541, 8420, 9463	USB	(FSpy)
V13	26-1	0100	20095	Sun	New Star Broadcasting. Station 5. Messages to units 3374, 4131, 6884	USB	(AVX)
V13	26-1	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1842, 8597, 9145	USB	(FSpy/AVX)
V13	26-1	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 7601, 7684, 9661	USB	(AVX)
V13	26-1	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 0526, 7569, 8889	USB	(FSpy/AVX)
V13	27-1	0000	9052	Mon	New Star Broadcasting. Station 1(a). Messages to units 3935, 3990, 4037, 4082, 4218, 4270, 4667	USB	(FSpy/AVX)
V13a	6-1	0000	18040	Mon	New Star Broadcasting. Station 1(a) Messages to units 0419, 0506, 1193, 1842, 2081, 2196, 2220	USB	(FSpy/AVX)
V13a	15-1	0030	19052	Wed	New Star Broadcasting. Station 1. Messages to units 2309, 2515, 2828, 2987	AM	(FSpy)
V26	10-1	1223	14514	Fri	Message while Q26 sends on LSB at the same time	USB	(EW)
V26	24-1	1232	14514	Fri	V BNAB BNAB BNAB DE XS14 XS14 HR MSG GA PSE CY (sent twice) Same message as Q26 and M85	USB	(EW)
VC01	7-1	1016	9470	Tue	Chinese Air Defense a.k.a. Chinese Robot	USB	(EW)
VC01	11-1	0327	9470	Sat	Chinese Air Defense a.k.a. Chinese Robot with weird glitches and beeps	USB	(VSh)
VC01	13-1	1229	5341	Mon	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-HK)
VC03	13-1	1234	7703	Mon	Chinese Air Defense. Male and female operator exchanging data	USB	(AB)
X--	15-1	0830	19352	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	0905	18567	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	0905	18567	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	0909	16153	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	0915	14547	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	1333	18567	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	1337	16153	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	15-1	1341	14547	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-1	1417	17492	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-1	1421	15674	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-1	1425	13837	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-1	0714	18561	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-1	0841	18569	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-1	0846	16274	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-1	1307	17518	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X06	10-1	0935	10653	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)
X06	12-1	0943	12142	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	13-1	0924	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)

X06	13-1	0924	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	14-1	0809	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/Moon)
X06	14-1	1012	14970	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(AB/RO)
X06	15-1	1104	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(EW)
X06	15-1	1310	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB/RO)
X06	16-1	0703	19511	Thu	MFA Moscow clg 314265: Russian embassy Antanarivo	MFSK-6	(Moon)
X06	16-1	0737	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RO)
X06	16-1	0754	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/RO)
X06	16-1	0924	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RO)
X06	16-1	1332	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(Moon)
X06	16-1	1347	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(Moon)
X06	17-1	0835	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(AB/RO)
X06	17-1	1339	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	20-1	0830	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	21-1	0740	14615	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbaatar	MFSK-6	(Moon)
X06	21-1	0848	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB)
X06	21-1	0856	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	21-1	0929	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB)
X06	22-1	0824	13369	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(Moon)
X06	22-1	0851	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06	23-1	0752	12126	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(Moon)
X06	23-1	0811	14550	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(AB/Moon)
X06	24-1	0954	20605	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(Moon)
X06	26-1	0917	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	27-1	0821	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB/RO)
X06	27-1	0842	14450	Mon	Test: 123456	MFSK-6	(AB)
X06	27-1	0937	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/Moon)
X06	28-1	0731	12100	Tue	Test: 123456	MFSK-6	(AB)
X06	28-1	0804	11545	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(RO)
X06	28-1	0806	16257	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/KW/RO)
X06	28-1	1026	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	28-1	1224	12213	Tue	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(Rycat)
XPA1	1-1	1310	14852	Wed	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB/HFD)
XPA1	1-1	1330	13952	Wed	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB/HFD)
XPA1	1-1	1350	11552	Wed	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB/HFD)
XPA1	3-1	1310	14852	Fri	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB)
XPA1	3-1	1330	13952	Fri	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB)
XPA1	3-1	1350	11552	Fri	895 895 895 1 00233 00151 21536 ... 67073 97488 25267	MFSK-20/10Bd	(AB)
XPA1	8-1	1310	14852	Wed	895 895 895 000 06956 00001 00000 40663	MFSK-20/10Bd	(AB)
XPA1	8-1	1330	13952	Wed	895 895 895 000 06956 00001 00000 40663	MFSK-20/10Bd	(AB)
XPA1	8-1	1350	11552	Wed	895 895 895 000 06956 00001 00000 40663	MFSK-20/10Bd	(AB)
XPA1	10-1	1310	14852	Fri	895 895 895 000 06548 00001 00000 37662	MFSK-20/10Bd	(AB)

XPA1	10-1	1330	13952	Fri	895 895 895 000 06548 00001 00000 37662	MFSK-20/10Bd	(AB)
XPA1	10-1	1350	11552	Fri	895 895 895 000 06548 00001 00000 37662	MFSK-20/10Bd	(AB)
XPA1	15-1	1310	14852	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	15-1	1330	13952	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	15-1	1350	11552	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	17-1	1310	14852	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	17-1	1330	13952	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	17-1	1350	11552	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	22-1	1310	14852	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	22-1	1330	13952	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	22-1	1350	11552	Wed	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	24-1	1310	14852	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	24-1	1330	13952	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	24-1	1350	11552	Fri	895 895 895 1 07542 00205 48361 ... 31638 47676 41301	MFSK-20/10Bd	(AB)
XPA1	29-1	1310	14852	Wed	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	29-1	1330	13952	Wed	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	29-1	1350	11552	Wed	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	31-1	1310	14852	Fri	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	31-1	1330	13952	Fri	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	31-1	1350	11552	Fri	895 895 895 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA2	1-1	0800	11493	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	1-1	0820	13393	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	1-1	0840	13993	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	1-1	0910	14977	Wed	04104 00001 00000 33654	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	0930	13971	Wed	04104 00001 00000 33654	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	0950	13371	Wed	04104 00001 00000 33654	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1100	13384	Wed	00398 00067 58470 ... 89235 25913 27504	MSFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1120	12184	Wed	00398 00067 58470 ... 89235 25913 27504	MSFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1140	10984	Wed	00398 00067 58470 ... 89235 25913 27504	MSFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1200	13878	Wed	Message	MFFSK-16/20Bd	(HFD)
XPA2	1-1	1220	14978	Wed	Message	MFFSK-16/20Bd	(HFD)
XPA2	1-1	1240	16278	Wed	Message	MFFSK-16/20Bd	(HFD)
XPA2	2-1	0910	14794	Thu	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	2-1	0930	13994	Thu	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	2-1	0950	12194	Thu	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	2-1	1100	13384	Thu	00398 00067 58470 ... 89235 25913 27504	MFSK-16/20Bd	(AB)
XPA2	2-1	1120	12184	Thu	00398 00067 58470 ... 89235 25913 27504	MFSK-16/20Bd	(AB)
XPA2	2-1	1140	10984	Thu	00398 00067 58470 ... 89235 25913 27504	MFSK-16/20Bd	(AB)
XPA2	2-1	1600	10465	Thu	02099 00090 89979 ... 61131 33042 03601	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1620	9165	Thu	02099 00090 89979 ... 61131 33042 03601	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1640	8065	Thu	02099 00090 89979 ... 61131 33042 03601	MFSK-16/20Bd	(AB/HFD)
XPA2	3-1	1100	10231	Fri	07421 00001 00000 33661	MFSK-16/20Bd	(AB)

XPA2	3-1	1120	9331	Fri	07421 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	3-1	1140	8131	Fri	07421 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	3-1	1200	13878	Fri	05615 00180 37619 ... 25354 72607 10716	MFSK-16/20Bd	(AB)
XPA2	3-1	1220	14978	Fri	05615 00180 37619 ... 25354 72607 10716	MFSK-16/20Bd	(AB)
XPA2	3-1	1240	16278	Fri	05615 00180 37619 ... 25354 72607 10716	MFSK-16/20Bd	(AB)
XPA2	4-1	0910	14794	Sat	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	4-1	0930	13994	Sat	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	4-1	0950	12194	Sat	00752 00091 68333 ... 39082 31214 50250	MFSK-16/20Bd	(AB)
XPA2	4-1	1600	9317	Sat	00488 00103 65728 ... 02411 31440 37347	MFSK-16/20Bd	(AB)
XPA2	4-1	1620	8117	Sat	00488 00103 65728 ... 02411 31440 37347	MFSK-16/20Bd	(AB)
XPA2	4-1	1640	7517	Sat	00488 00103 65728 ... 02411 31440 37347	MFSK-16/20Bd	(AB)
XPA2	6-1	0800	11493	Mon	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	6-1	0820	13393	Mon	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	6-1	0840	13993	Mon	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	6-1	0910	14977	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	6-1	0930	13971	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	6-1	0950	13371	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	6-1	1600	9317	Mon	05474 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	6-1	1620	8117	Mon	05474 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	6-1	1640	7517	Mon	05474 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	7-1	1100	10231	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB/HFD)
XPA2	7-1	1120	9331	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB/HFD)
XPA2	7-1	1140	8131	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB/HFD)
XPA2	7-1	1600	10465	Tue	01997 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	7-1	1620	9165	Tue	01997 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	7-1	1640	8065	Tue	01997 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	8-1	0800	11493	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	8-1	0820	13393	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	8-1	0840	13993	Wed	00517 00156 14499 ... 61994 24670 64326	MSFSK-16/20Bd	(AB)
XPA2	8-1	0910	14977	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	8-1	0930	13971	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	8-1	0950	13371	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	8-1	1100	13384	Wed	00522 00000 00000 33553	MSFSK-16/20Bd	(AB)
XPA2	8-1	1120	12184	Wed	00522 00000 00000 33553	MSFSK-16/20Bd	(AB)
XPA2	8-1	1140	10984	Wed	00522 00000 00000 33553	MSFSK-16/20Bd	(AB)
XPA2	8-1	1200	13878	Wed	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB)
XPA2	8-1	1220	14978	Wed	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB)
XPA2	8-1	1240	16278	Wed	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB/EW)
XPA2	9-1	0910	14794	Thu	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	9-1	0930	13994	Thu	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	9-1	0950	12194	Thu	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	9-1	1100	13384	Thu	06021 00001 00000 32260	MFSK-16/20Bd	(AB)

XPA2	9-1	1120	12184	Thu	06021 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	9-1	1140	10984	Thu	06021 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	9-1	1600	10465	Thu	08816 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	9-1	1620	9165	Thu	08816 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	9-1	1640	8065	Thu	08816 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	10-1	1100	10231	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	10-1	1120	9331	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	10-1	1140	8131	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	10-1	1200	13878	Fri	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB)
XPA2	10-1	1220	14978	Fri	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB)
XPA2	10-1	1240	16278	Fri	02550 00258 23696 ... 58386 40723 32424	MSFSK-16/20Bd	(AB)
XPA2	11-1	0910	14794	Sat	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	11-1	0930	13994	Sat	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	11-1	0950	12194	Sat	05503 00048 27115 ... 11483 86043 31715	MFSK-16/20Bd	(AB)
XPA2	11-1	1600	9317	Sat	05314 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	11-1	1620	8117	Sat	05314 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	11-1	1640	7517	Sat	05314 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	13-1	0800	11493	Mon	09909 00001 00000 42261	MSFSK-16/20Bd	(AB)
XPA2	13-1	0820	13393	Mon	09909 00001 00000 42261	MSFSK-16/20Bd	(AB)
XPA2	13-1	0840	13993	Mon	09909 00001 00000 42261	MSFSK-16/20Bd	(AB)
XPA2	13-1	0910	14977	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	13-1	0930	13971	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	13-1	0950	13371	Mon	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	13-1	1600	9317	Mon	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	13-1	1620	8117	Mon	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	13-1	1640	7517	Mon	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	14-1	1100	10231	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	14-1	1120	9331	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	14-1	1140	8131	Tue	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	14-1	1600	10465	Tue	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	14-1	1620	9165	Tue	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	14-1	1640	8065	Tue	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	15-1	0800	11493	Wed	07838 00001 00000 41262	MSFSK-16/20Bd	(AB)
XPA2	15-1	0820	13393	Wed	07838 00001 00000 41262	MSFSK-16/20Bd	(AB)
XPA2	15-1	0840	13993	Wed	07838 00001 00000 41262	MSFSK-16/20Bd	(AB)
XPA2	15-1	0910	14977	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	15-1	0930	13971	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	15-1	0950	13371	Wed	07778 00048 59999 ... 75392 56218 11754	MFSK-16/20Bd	(AB)
XPA2	15-1	1100	13384	Wed	00801 00001 00000 35651	MSFSK-16/20Bd	(AB)
XPA2	15-1	1120	12184	Wed	00801 00001 00000 35651	MSFSK-16/20Bd	(AB)
XPA2	15-1	1140	10984	Wed	00801 00001 00000 35651	MSFSK-16/20Bd	(AB)
XPA2	15-1	1200	13878	Wed	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)

XPA2	15-1	1220	14978	Wed	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)
XPA2	15-1	1240	16278	Wed	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)
XPA2	16-1	0910	14794	Thu	06212 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	16-1	0930	13994	Thu	06212 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	16-1	0950	12194	Thu	06212 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	16-1	1100	13384	Thu	06865 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	16-1	1120	12184	Thu	06865 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	16-1	1140	10984	Thu	06865 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	16-1	1600	10465	Thu	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	16-1	1620	9165	Thu	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	16-1	1640	8065	Thu	00628 00128 23073 ... 44072 83682 14440	MFSK-16/20Bd	(AB)
XPA2	17-1	1100	10231	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	17-1	1120	9331	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	17-1	1140	8131	Fri	00567 00034 46125 ... 12477 48012 57211	MFSK-16/20Bd	(AB)
XPA2	17-1	1200	13878	Fri	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)
XPA2	17-1	1220	14978	Fri	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)
XPA2	17-1	1240	16278	Fri	00136 00341 29084 ... 64778 29529 37105	MSFSK-16/20Bd	(AB)
XPA2	18-1	0910	14794	Sat	09303 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	18-1	0930	13994	Sat	09303 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	18-1	0950	12194	Sat	09303 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	18-1	1600	9317	Sat	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	18-1	1620	8117	Sat	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	18-1	1640	7517	Sat	04489 00153 37044 ... 09182 13761 22112	MFSK-16/20Bd	(AB)
XPA2	20-1	0800	11493	Mon	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	20-1	0820	13393	Mon	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	20-1	0840	13993	Mon	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	20-1	0910	14977	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	20-1	0930	13971	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	20-1	0950	13371	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	20-1	1600	9317	Mon	03246 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	20-1	1620	8117	Mon	03246 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	20-1	1640	7517	Mon	03246 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	21-1	0800	11493	Tue	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	21-1	0820	13393	Tue	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	21-1	0840	13993	Tue	04979 00001 00000 42263	MSFSK-16/20Bd	(AB)
XPA2	21-1	1100	10231	Tue	02206 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	21-1	1120	9331	Tue	02206 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	21-1	1140	8131	Tue	02206 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	21-1	1600	10465	Tue	04165 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	21-1	1620	9165	Tue	04165 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	21-1	1640	8065	Tue	04165 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	22-1	0800	11493	Wed	04172 00001 00000 32663	MSFSK-16/20Bd	(AB)

XPA2	22-1	0820	13393	Wed	04172 00001 00000 32663	MSFSK-16/20Bd	(AB)
XPA2	22-1	0840	13993	Wed	04172 00001 00000 32663	MSFSK-16/20Bd	(AB)
XPA2	22-1	0910	14977	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	22-1	0930	13971	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	22-1	0950	13371	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	22-1	1100	13384	Wed	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	22-1	1120	12184	Wed	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	22-1	1140	10984	Wed	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	22-1	1200	13878	Wed	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	22-1	1220	14978	Wed	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	22-1	1240	16278	Wed	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	23-1	0910	14794	Thu	04663 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	23-1	0930	13994	Thu	04663 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	23-1	0950	12194	Thu	04663 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	23-1	1100	13384	Thu	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	23-1	1120	12184	Thu	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	23-1	1140	10984	Thu	00467 00065 11541 ... 66512 34168 10606	MSFSK-16/20Bd	(AB)
XPA2	23-1	1600	10465	Thu	01693 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	23-1	1620	9165	Thu	01693 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	23-1	1640	8065	Thu	01693 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	24-1	1100	10231	Fri	02455 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	24-1	1120	9331	Fri	02455 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	24-1	1140	8131	Fri	02455 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	24-1	1200	13878	Fri	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	24-1	1220	14978	Fri	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	24-1	1240	16278	Fri	00350 00229 24816 ... 31509 51897 23227	MSFSK-16/20Bd	(AB)
XPA2	25-1	0910	14794	Sat	09663 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	25-1	0930	13994	Sat	09663 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	25-1	0950	12194	Sat	09663 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	25-1	1600	9317	Sat	05234 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	25-1	1620	8117	Sat	05234 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	25-1	1640	7517	Sat	05234 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	27-1	0800	11493	Mon	06664 00214 17550 ... 27570 36637 47540	MSFSK-16/20Bd	(AB)
XPA2	27-1	0820	13393	Mon	Off during the callup	MSFSK-16/20Bd	(AB)
XPA2	27-1	0840	13993	Mon	06664 00214 17550 ... 27570 36637 47540	MSFSK-16/20Bd	(AB)
XPA2	27-1	0910	14977	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	27-1	0930	13971	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	27-1	0950	13371	Mon	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	27-1	1600	9317	Mon	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB)
XPA2	27-1	1620	8117	Mon	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB)
XPA2	27-1	1640	7517	Mon	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB)
XPA2	28-1	1100	10231	Tue	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)

XPA2	28-1	1120	9331	Tue	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)
XPA2	28-1	1140	8131	Tue	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)
XPA2	28-1	1600	10465	Tue	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	28-1	1620	9165	Tue	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	28-1	1640	8065	Tue	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	29-1	0800	11493	Wed	06664 00214 17550 ... 27570 36637 47540	MSFSK-16/20Bd	(AB)
XPA2	29-1	0820	13393	Wed	06664 00214 17550 ... 27570 36637 47540	MSFSK-16/20Bd	(AB)
XPA2	29-1	0840	13993	Wed	06664 00214 17550 ... 27570 36637 47540	MSFSK-16/20Bd	(AB)
XPA2	29-1	0910	14977	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	29-1	0930	13971	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	29-1	0950	13371	Wed	00609 00024 25257 ... 49612 67558 45545	MFSK-16/20Bd	(AB)
XPA2	29-1	1100	13384	Wed	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	29-1	1120	12184	Wed	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	29-1	1140	10984	Wed	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	29-1	1200	13878	Wed	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPA2	29-1	1220	14978	Wed	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPA2	29-1	1240	16278	Wed	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPA2	30-1	0910	14794	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	30-1	0930	13994	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	30-1	0950	12194	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	30-1	1100	13384	Thu	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	30-1	1120	12184	Thu	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	30-1	1140	10984	Thu	09920 00060 75771 ... 75522 28815 43723	MSFSK-16/20Bd	(AB)
XPA2	30-1	1600	10465	Thu	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	30-1	1620	9165	Thu	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	30-1	1640	8065	Thu	00425 00199 69315 ... 05509 82229 56100	MFSK-16/20Bd	(AB)
XPA2	31-1	1100	10231	Fri	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)
XPA2	31-1	1120	9331	Fri	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)
XPA2	31-1	1140	8131	Fri	00186 00025 63602 ... 10011 89361 74237	MFSK-16/20Bd	(AB)
XPA2	31-1	1200	13878	Fri	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPA2	31-1	1220	14978	Fri	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPA2	31-1	1240	16278	Fri	03457 00153 37624 ... 39531 66487 77315	MSFSK-16/20Bd	(AB)
XPB1	1-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB/HFD)

XPB1	3-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	0600	19343	Mon	Russian intel.	USB	(AB-RUS)
XPB1	6-1	0610	18243	Mon	Russian intel.	USB	(AB-RUS)
XPB1	6-1	0620	17443	Mon	Russian intel.	USB	(AB-RUS)
XPB1	6-1	0630	16243	Mon	Russian intel.	USB	(AB)
XPB1	6-1	0640	15843	Mon	Russian intel.	USB	(AB)
XPB1	6-1	0650	14443	Mon	Russian intel.	USB	(AB)
XPB1	7-1	0600	19343	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	0610	18243	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	0620	17443	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	0630	16243	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	0640	15843	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	0650	14443	Tue	Russian intel.	USB	(AB/HFD-RUS)
XPB1	7-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)

XPB1	11-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	0600	19343	Mon	Russian intel.	USB	(AB-RUS)
XPB1	13-1	0610	18243	Mon	Russian intel.	USB	(AB-RUS)
XPB1	13-1	0620	17443	Mon	Russian intel.	USB	(AB-RUS)
XPB1	13-1	0630	16243	Mon	Russian intel.	USB	(AB)
XPB1	13-1	0640	15843	Mon	Russian intel.	USB	(AB)
XPB1	13-1	0650	14443	Mon	Russian intel.	USB	(AB)
XPB1	14-1	0600	19343	Tue	Russian intel.	USB	(AB-RUS)
XPB1	14-1	0610	18243	Tue	Russian intel.	USB	(AB-RUS)
XPB1	14-1	0620	17443	Tue	Russian intel.	USB	(AB-RUS)
XPB1	14-1	0630	16243	Tue	Russian intel.	USB	(AB)
XPB1	14-1	0640	15843	Tue	Russian intel.	USB	(AB)
XPB1	14-1	0650	14443	Tue	Russian intel.	USB	(AB)
XPB1	14-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	17-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	0600	19343	Mon	Russian intel.	USB	(AB-RUS)
XPB1	20-1	0610	18243	Mon	Russian intel.	USB	(AB)
XPB1	20-1	0620	17443	Mon	Russian intel.	USB	(AB)
XPB1	20-1	0630	16243	Mon	Russian intel.	USB	(AB)

XPB1	20-1	0640	15843	Mon	Russian intel.	USB	(AB)
XPB1	20-1	0650	14443	Mon	Russian intel.	USB	(AB)
XPB1	21-1	0600	19343	Tue	Russian intel.	USB	(AB-RUS)
XPB1	21-1	0610	18243	Tue	Russian intel.	USB	(AB-RUS)
XPB1	21-1	0620	17443	Tue	Russian intel.	USB	(AB-RUS)
XPB1	21-1	0630	16243	Tue	Russian intel.	USB	(AB)
XPB1	21-1	0640	15843	Tue	Russian intel.	USB	(AB)
XPB1	21-1	0650	14443	Tue	Russian intel.	USB	(AB)
XPB1	21-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	24-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	0600	19343	Mon	Russian intel.	USB	(AB-RUS)
XPB1	27-1	0610	18243	Mon	Russian intel.	USB	(AB)
XPB1	27-1	0620	17443	Mon	Russian intel.	USB	(AB)
XPB1	27-1	0630	16243	Mon	Russian intel.	USB	(AB)
XPB1	27-1	0640	15843	Mon	Russian intel.	USB	(AB)
XPB1	27-1	0650	14443	Mon	Russian intel.	USB	(AB)
XPB1	28-1	0600	19343	Tue	Russian intel.	USB	(AB-RUS)
XPB1	28-1	0610	18243	Tue	Russian intel.	USB	(AB-RUS)
XPB1	28-1	0620	17443	Tue	Russian intel.	USB	(AB)
XPB1	28-1	0630	16243	Tue	Russian intel.	USB	(AB)

XPB1	28-1	0640	15843	Tue	Russian intel.	USB	(AB)
XPB1	28-1	0650	14443	Tue	Russian intel.	USB	(AB)
XPB1	28-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	31-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HK	Ary Boender via remote rx Hong Kong
AB-HNG	Ary Boender via remote rx Hungary
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
Anon	Anonymous
AVX	AlphaVax, Germany
CK	Costas, Southern Europe
Dan	Daniel LU5EMM, Argentina
EB4APL	Ignacio, Spain
EW	Eddy Waters, Australia
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
HFD-ROU	Hans-Friedrich Dumrese via remote rx Roumania
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
JPL-J	JPL via remote rx Japan
JPL-RUS	JPL via remote rx Russia
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Rycat	Rycat via Priyom
Subilo	Subilo
TJ	Trond Jacobsen, Norway
TM	Time Machine
VSh	V. Shortwaver

APPENDIX

List of active stations

Prefixes

E English language
F FSK (Frequency Shift Keying) modes
G German language
HM Hybrid modes
M(C) Morse code (Chinese)
P PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q 4+4 QPSK mode
S Slavic languages
SK Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C) Unid Morse station (Chinese)
V Voice broadcasts in other languages
VC Voice Chinese
XP MFSK (polytone) modes

Notes :
There is no solid proof that the mentioned operators are correct.
Russian G06 and V06 are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03f	FSK-2 400Bd/800Hz	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03g	BPSK 50Bd/1000Hz/464 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03h	BPSK 100Bd/1000Hz/512 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army

M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 … ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese miliary
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -
B	- . . .	2	. . - - -
C	- . - .	3	. . . - -
D	- . .	4	. . . . -
E	.	5	. . . . .
F	. . - .	6	- . . . .
G	- - .	7	- - . . .
H	. . . .	8	- - - . .
I	. .	9	- - - - .
J	. - - -	0	- - - - -
K	- . -		
L	. - . .		
M	- -	Accented letters	
N	- .	Ä	. - . -
O	- - -	Á	. - - . -
P	. - - .	CH	- - - -
Q	- - . -	É	. . - . .
R	. - .	Ö	- - - .
S	. . .	Ü	. . - -
T	-		
U	. . -		
V	. . . -		
W	. - -		
X	- . . -		
Y	- . - -		
Z	- - . .		

Full stop (period)	[.]	. – . – . –
Comma	[,]	– – . . – –
Colon	[:]	– – – . . .
Question mark	[?]	. . – – . .
Exclamation mark	[!]	– . – . – –
Apostrophe	[’]	. – – – – .
Dash or Hyphen	[–]	– . . . . –
Slash	[/]	– . . – .
Left-hand bracket	[( ]	– . – – .
Right-hand bracket	[ )]	– . – – . –
Quotation marks	[“ ”]	. – . . – .
Equals sign	[BT =]	– . . . –
Understood		. . . – .
Plus sign	[+]	. – . – .
Invitation to transmit		– . –
Wait	[AS]	. – . . .
End of Transmission	[SK, VA]	. . . – . –
End of message	[AR]	. – . – .
Starting signal		– . – . –
Multiplication sign	[×]	– . . –
At sign	[@]	. – – . – .
Break	[BK]	– . . . – . –
Ampersand	[&]	. – . . .

For Cyrillic morse etc., see also
http://udxf.nl/Morse-document.pdf
http://udxf.nl/Russian.pdf

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— · · — ·
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	· — — — —	Môt	Van	adinka	Eins	One
2	· · — — —	Hai	To	dvoyka	Twso	Two
3	· · · — —	Ba	Fwee	troyka	Drei	Three
4	· · · · —	Bô'n	Fo	chetvyorka	Vier	Four
5	· · · · ·	Nâm	Fav	petyorka	Funuf	Fiver
6	— · · · ·	Sáu	Six	shest	Sechs	Six
7	— — · · ·	Ba|y	Seven	syem	Sieben	Seven
8	— — — · ·	Tám	Eight	vosyem	Acht	Eight
9	— — — — ·	Chín	Nine	dyevyet	Neugen	Niner
=	— · · · —					
/	— · · — ·					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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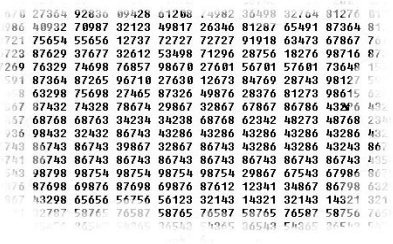

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